

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110119\
 Data File : VN059058.D
 Acq On : 1 Nov 2019 12:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2019 1:59:01 PM

Quant Time: Nov 02 04:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 05:16:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	535614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	839319	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	771710	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	353109	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	7.57	113	271292	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
50) Toluene-d8	10.08	98	1089115	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	395778	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	272432	42.049	ug/l	100
3) Chloromethane	2.04	50	362120	44.507	ug/l	100
4) Vinyl Chloride	2.17	62	356389	44.297	ug/l	100
5) Bromomethane	2.54	94	206903	41.796	ug/l	100
6) Chloroethane	2.68	64	209036	40.898	ug/l	100
7) Trichlorofluoromethane	2.99	101	428783	43.373	ug/l	100
8) Diethyl Ether	3.39	74	171125	48.676	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	254598	45.634	ug/l	100
10) Methyl Iodide	3.93	142	316989	44.051	ug/l	100
11) Tert butyl alcohol	4.75	59	312209	239.923	ug/l	100
12) 1,1-Dichloroethene	3.71	96	249811	47.627	ug/l	100
13) Acrolein	3.58	56	208640	237.688	ug/l	100
14) Allyl chloride	4.29	41	506018	47.777	ug/l	100
15) Acrylonitrile	4.95	53	802482	246.854	ug/l	100
16) Acetone	3.79	43	890104	234.538	ug/l	100
17) Carbon Disulfide	4.03	76	784913	46.666	ug/l	100
18) Methyl Acetate	4.29	43	405460	46.148	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	874342	47.907	ug/l	100
20) Methylene Chloride	4.52	84	290360	44.202	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	270733	46.962	ug/l	100
22) Diisopropyl ether	5.92	45	991745	48.130	ug/l	100
23) Vinyl Acetate	5.87	43	4177335	253.621	ug/l	100
24) 1,1-Dichloroethane	5.82	63	539616	45.159	ug/l	100
25) 2-Butanone	6.81	43	1190616	240.148	ug/l	100
26) 2,2-Dichloropropane	6.80	77	462583	44.923	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	309750	47.125	ug/l	100
28) Bromochloromethane	7.17	49	166265	42.416	ug/l	100
29) Tetrahydrofuran	7.19	42	743941	244.695	ug/l	100
30) Chloroform	7.35	83	513360	43.116	ug/l	100
31) Cyclohexane	7.63	56	507114	45.636	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	444499	44.396	ug/l	100
36) 1,1-Dichloropropene	7.77	75	401311	47.484	ug/l	100
37) Ethyl Acetate	6.90	43	454546	49.267	ug/l	100
38) Carbon Tetrachloride	7.75	117	393461	45.259	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	487174	50.897	ug/l	100
40) Benzene	8.02	78	1196738	48.020	ug/l	100
41) Methacrylonitrile	7.16	41	207168m	49.555	ug/l	
42) 1,2-Dichloroethane	8.10	62	407453	43.095	ug/l	100
43) Isopropyl Acetate	8.15	43	721119	48.639	ug/l	100
44) Trichloroethene	8.82	130	290714	47.777	ug/l	100
45) 1,2-Dichloropropane	9.10	63	324317	47.488	ug/l	100
46) Dibromomethane	9.19	93	197331	45.886	ug/l	100
47) Bromodichloromethane	9.39	83	404941	45.796	ug/l	100
48) Methyl methacrylate	9.18	41	329369	49.279	ug/l	100
49) 1,4-Dioxane	9.18	88	117860	1048.524	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2221782	257.799	ug/l	100
52) Toluene	10.15	92	727550	49.328	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473728	48.260	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	516579	49.132	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	282612	46.444	ug/l	100
56) Ethyl methacrylate	10.42	69	473151	52.666	ug/l	100
57) 1,3-Dichloropropane	10.70	76	499709	46.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	843609	223.311	ug/l	100
59) 2-Hexanone	10.75	43	1714438	257.892	ug/l	100
60) Dibromochloromethane	10.90	129	313417	47.914	ug/l	100
61) 1,2-Dibromoethane	11.00	107	296413	47.699	ug/l	100
64) Tetrachloroethene	10.63	164	254047	47.534	ug/l	100
65) Chlorobenzene	11.43	112	757634	48.703	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	281785	48.088	ug/l	100
67) Ethyl Benzene	11.51	91	1405729	51.644	ug/l	100
68) m/p-Xylenes	11.62	106	1036652	102.838	ug/l	100
69) o-Xylene	11.95	106	494652	51.312	ug/l	100
70) Styrene	11.96	104	832997	52.989	ug/l	100
71) Bromoform	12.13	173	227379	49.800	ug/l #	100
73) Isopropylbenzene	12.25	105	1342520	50.222	ug/l	100
74) N-amyl acetate	12.07	43	617207	51.255	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	444933	47.348	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	412192m	48.173	ug/l	
77) Bromobenzene	12.53	156	318737	48.303	ug/l	100
78) n-propylbenzene	12.59	91	1604211	50.830	ug/l	100
79) 2-Chlorotoluene	12.68	91	942161	48.704	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1140953	50.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168585	51.429	ug/l	100
82) 4-Chlorotoluene	12.78	91	969155	49.167	ug/l	100
83) tert-Butylbenzene	13.00	119	956740	49.909	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1148542	52.056	ug/l	100
85) sec-Butylbenzene	13.17	105	1302663	51.085	ug/l	100
86) p-Isopropyltoluene	13.29	119	1186122	52.635	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	572659	48.671	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	569436	48.372	ug/l	100
89) n-Butylbenzene	13.62	91	1047203	50.896	ug/l	100
90) Hexachloroethane	13.88	117	217259	47.500	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	560192	48.532	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91392	43.498	ug/l	100

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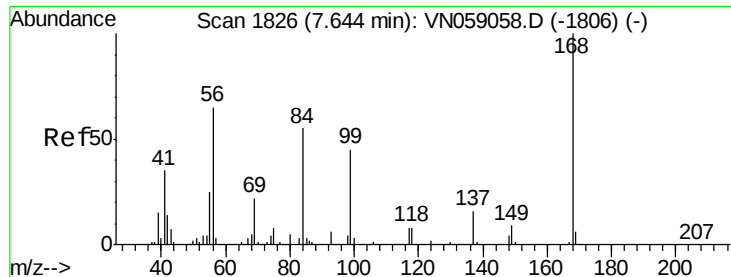
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	323718	51.094	ug/l	100
94) Hexachlorobutadiene	15.01	225	182893	48.636	ug/l	100
95) Naphthalene	15.13	128	904258	51.525	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	315374	50.580	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tgt Ion: 168 Resp: 535614

Ion Ratio Lower Upper

168 100

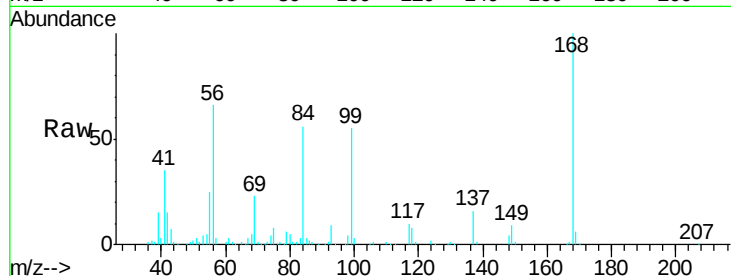
99 55.1 44.1 66.1

Manual Integrations

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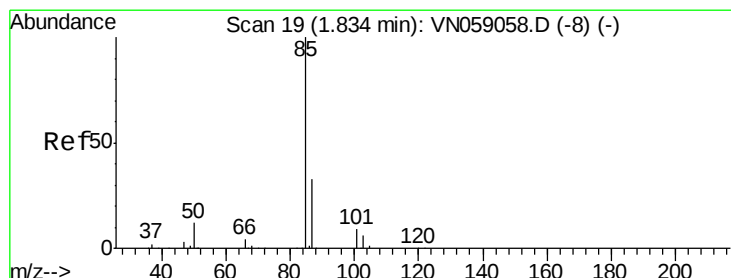
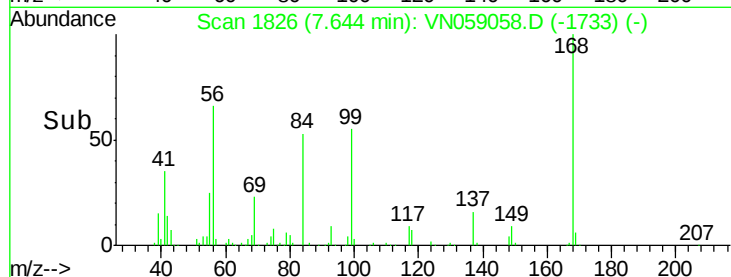
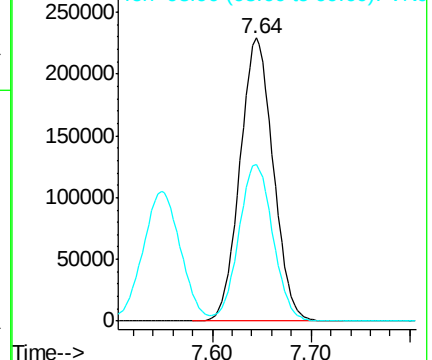
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.049 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059058.D

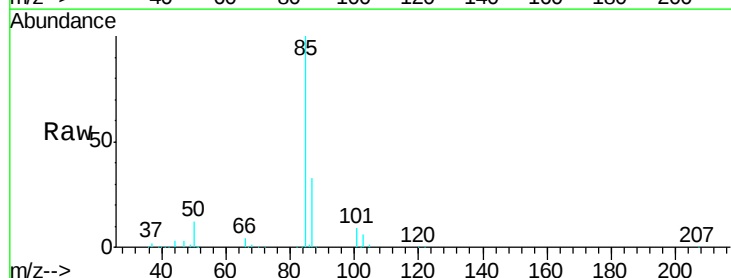
Acq: 1 Nov 2019 12:59

Tgt Ion: 85 Resp: 272432

Ion Ratio Lower Upper

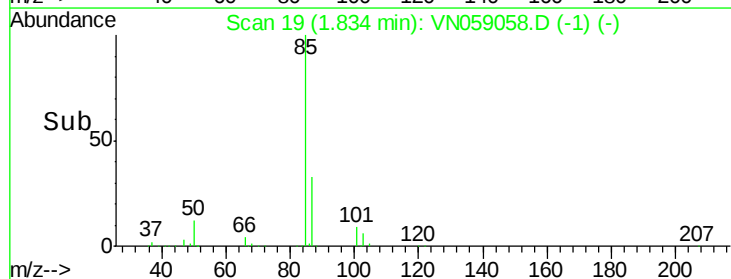
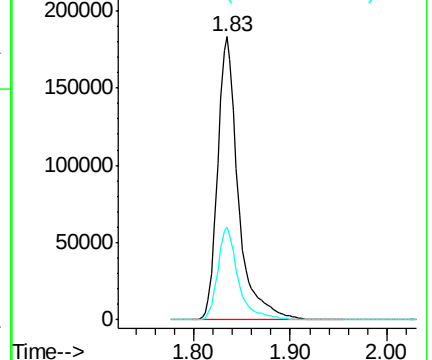
85 100

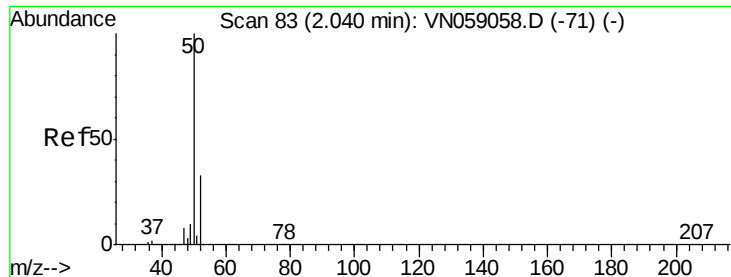
87 33.0 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.507 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 50 Resp: 362120

Ion Ratio Lower Upper

50 100

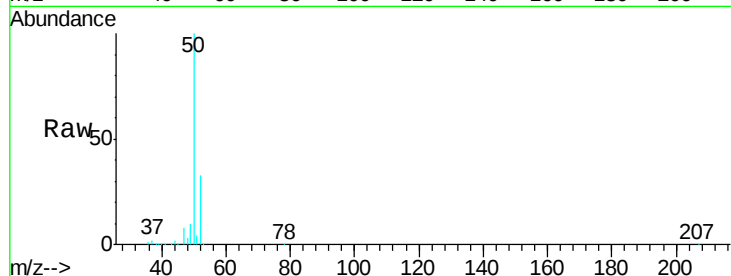
52 32.9 26.3 39.5

Manual Integrations

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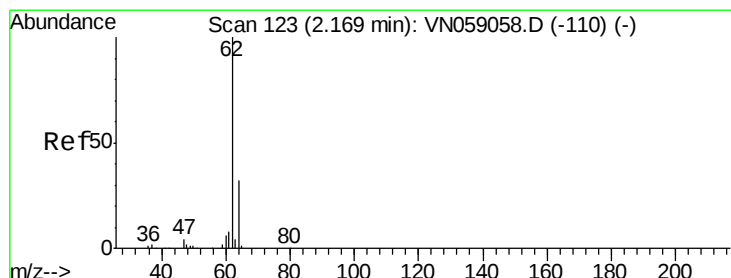
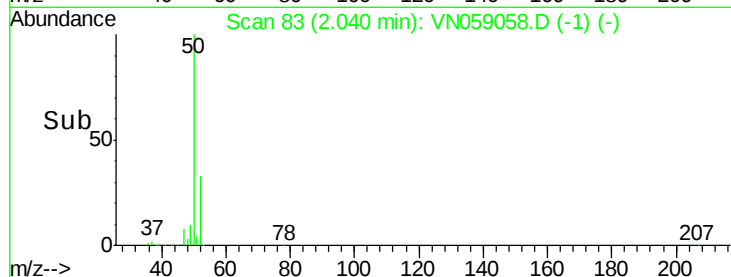
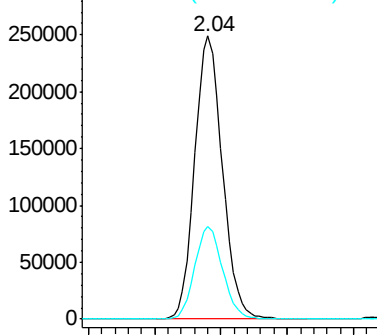
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.297 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059058.D

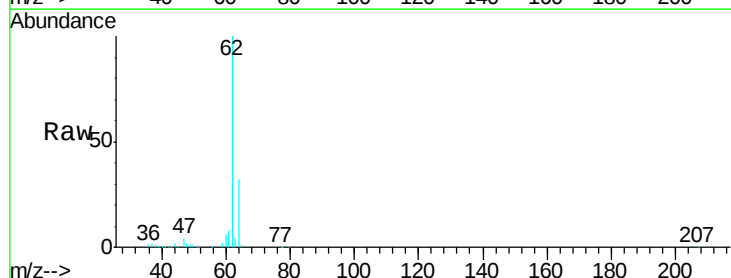
Acq: 1 Nov 2019 12:59

Tgt Ion: 62 Resp: 356389

Ion Ratio Lower Upper

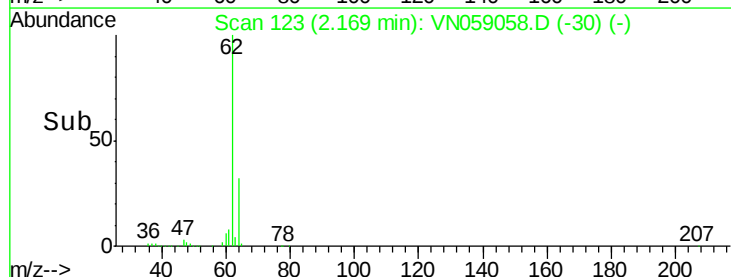
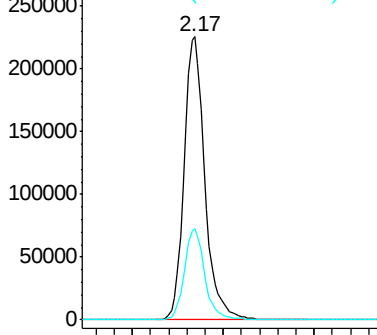
62 100

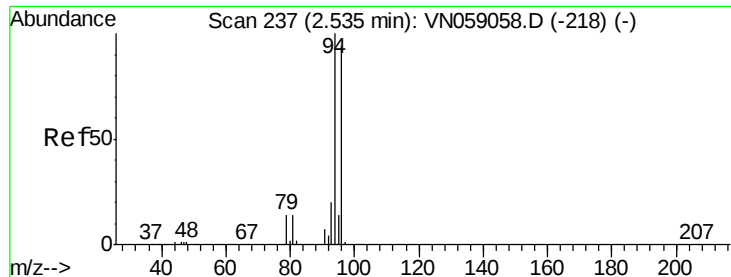
64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 41.796 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 206903

Ion Ratio Lower Upper

94 100

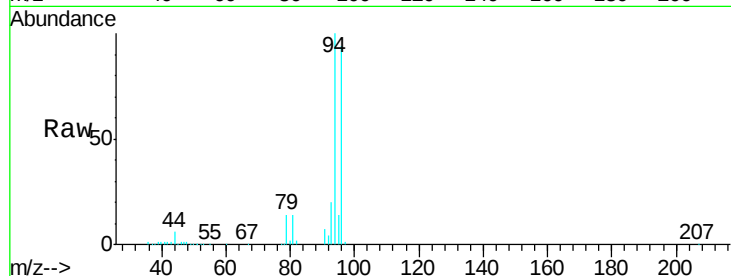
96 93.9 75.1 112.7

Manual Integrations

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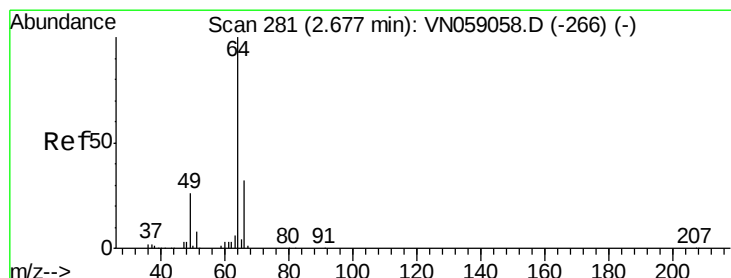
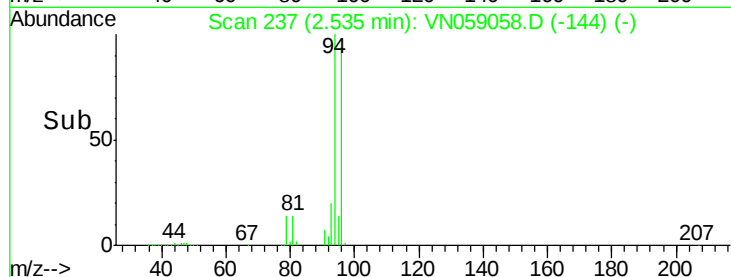
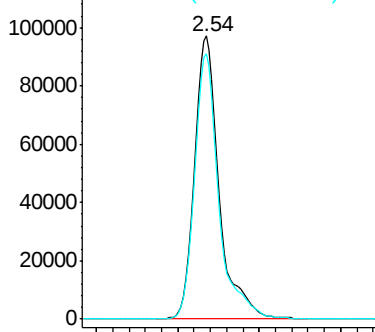
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.898 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.00 min

Lab File: VN059058.D

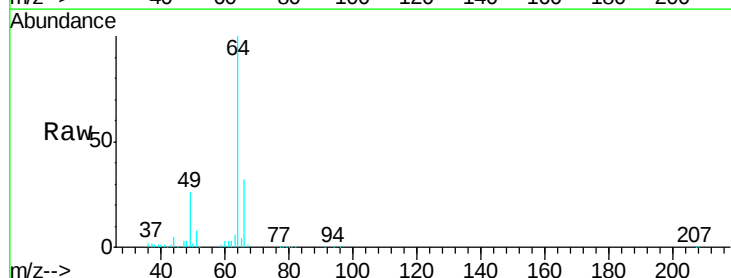
Acq: 1 Nov 2019 12:59

Tgt Ion: 64 Resp: 209036

Ion Ratio Lower Upper

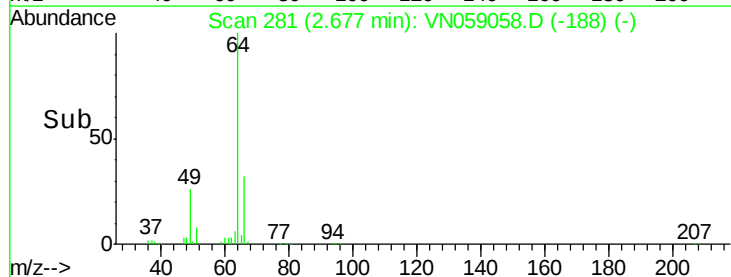
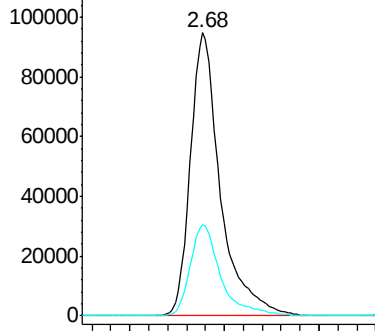
64 100

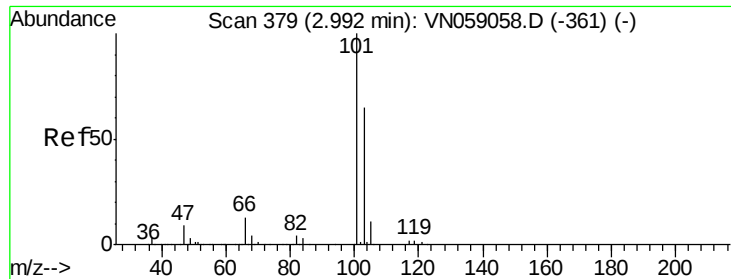
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

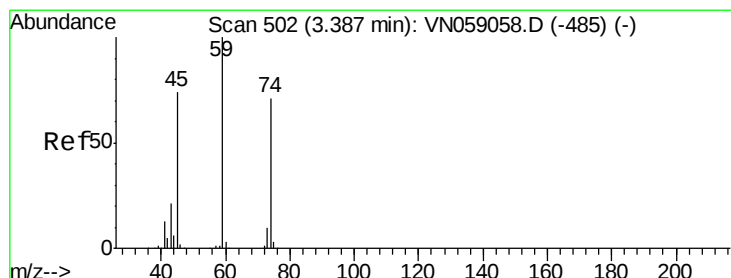
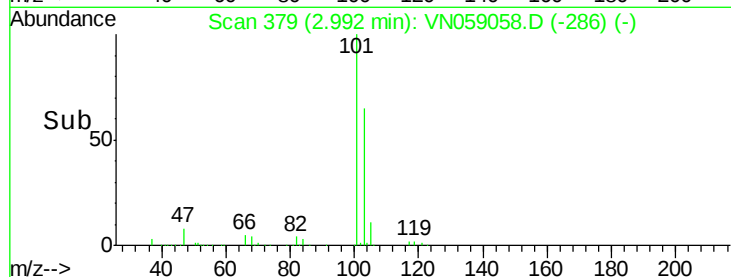
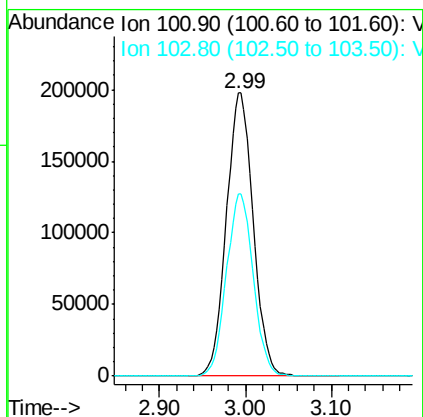
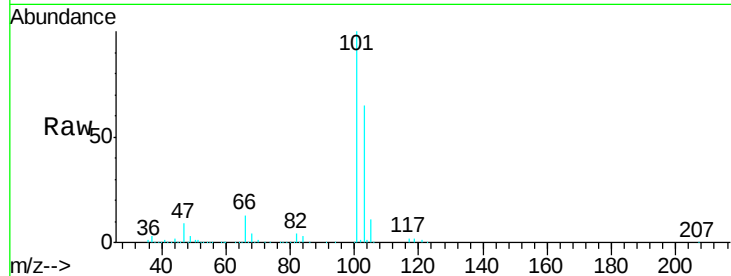
Trichlorofluoromethane
 Concen: 43.373 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
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 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

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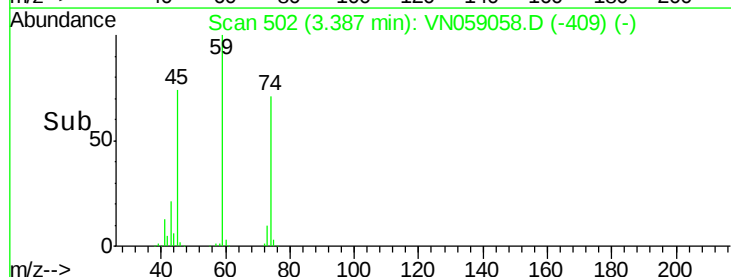
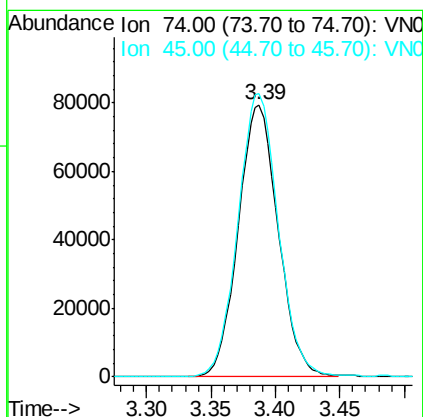
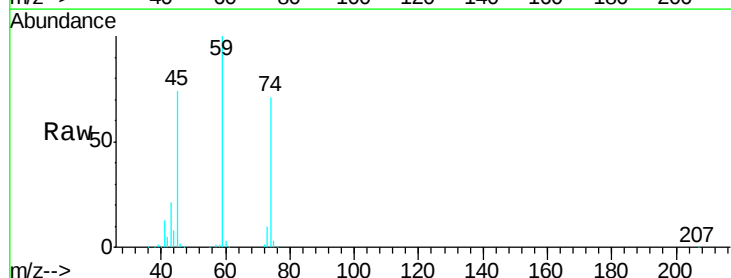
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 11/5/2019 1:59:01 PM

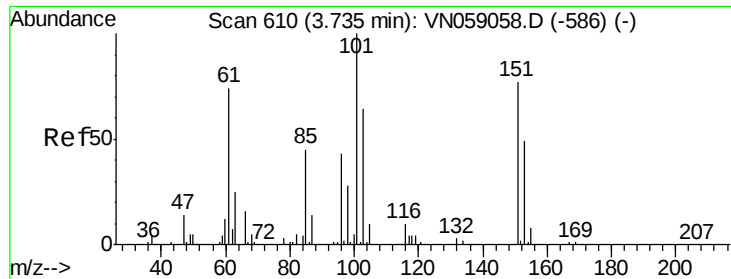


#8

Diethyl Ether
 Concen: 48.676 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.5	52.8	158.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.634 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

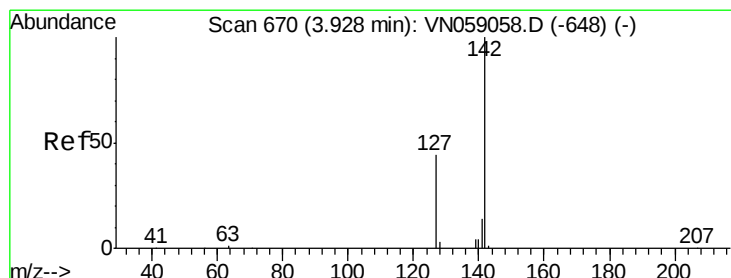
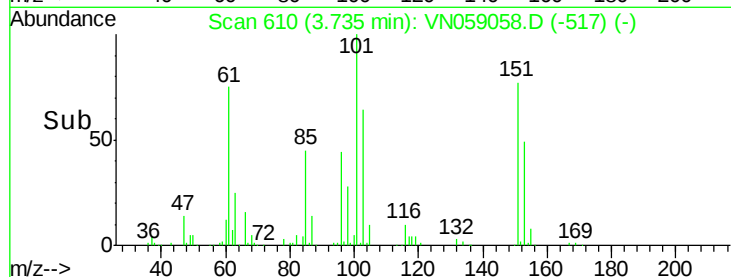
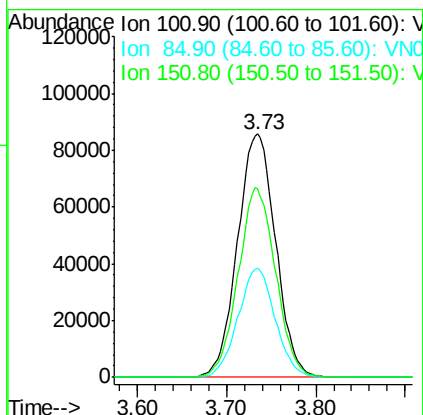
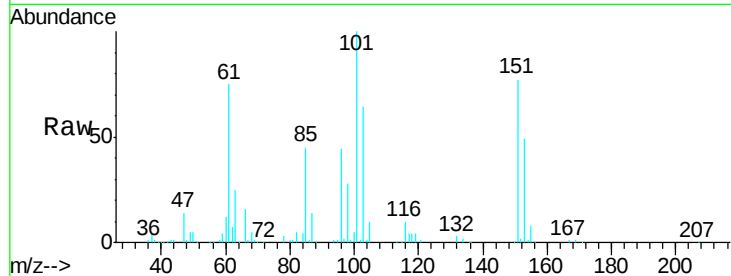
ClientSampleId :

VSTDIC050

Tgt Ion:	101	Resp:	254598
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.6
151	76.6	61.3	91.9

Manual Integrations
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11/5/2019 1:59:01 PM



#10

Methyl Iodide

Concen: 44.051 ug/l

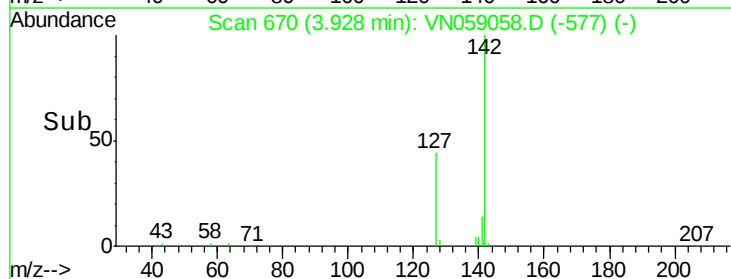
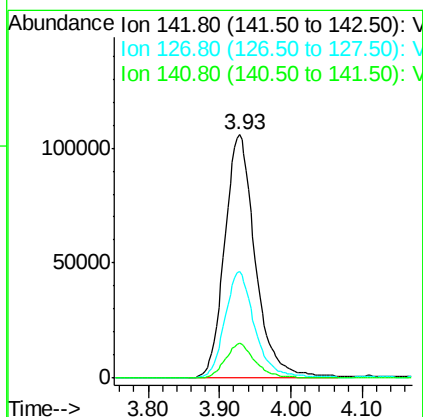
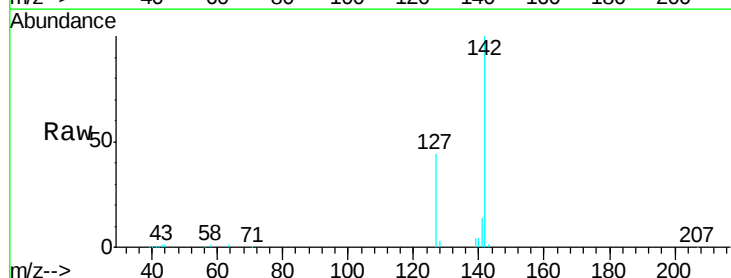
RT: 3.93 min Scan# 670

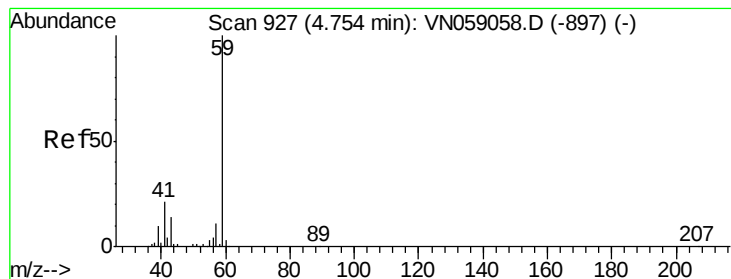
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	142	Resp:	316989
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.2	51.2
141	13.9	11.1	16.7





#11

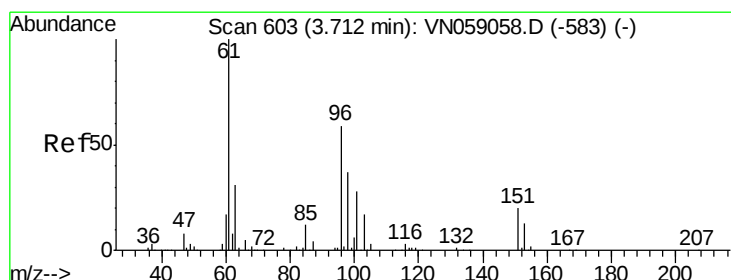
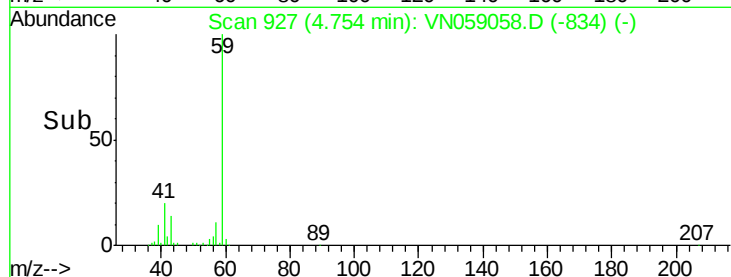
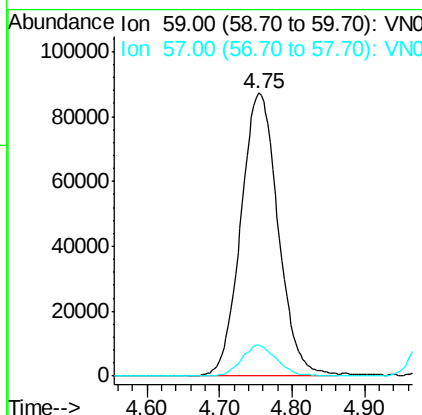
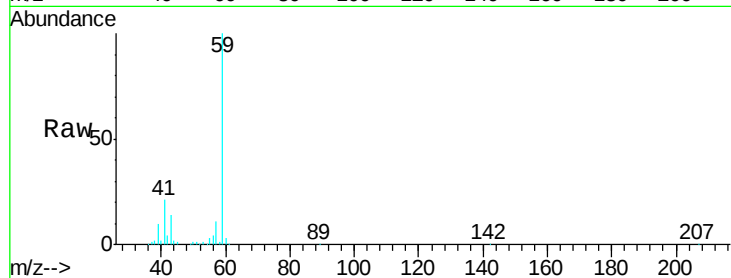
Tert butyl alcohol
Concen: 239.923 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.4

Manual Integrations
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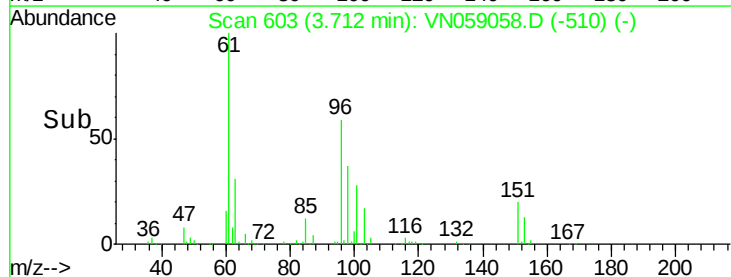
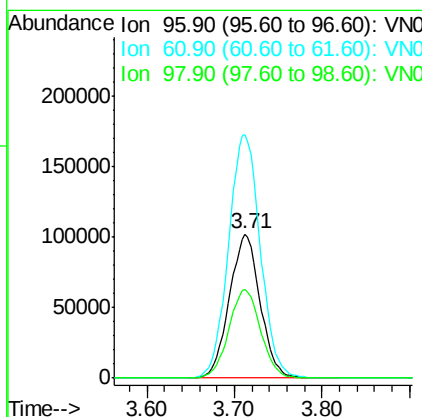
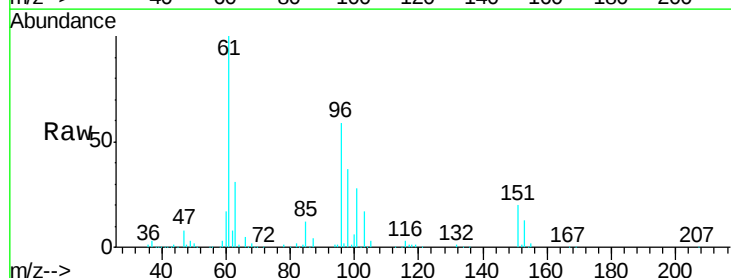
MMDadoda
11/5/2019 1:59:01 PM

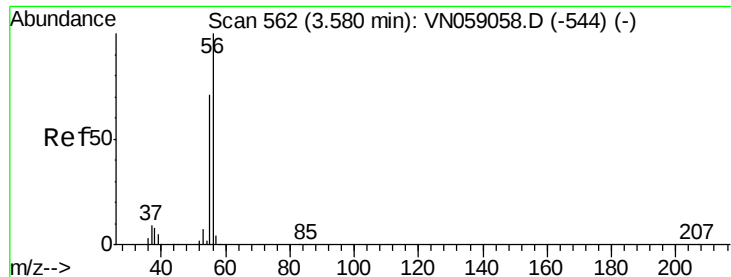


#12

1,1-Dichloroethene
Concen: 47.627 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	135.3	202.9
98	61.8	49.4	74.2





#13

Acrolein

Concen: 237.688 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 56 Resp: 208640

Ion Ratio Lower Upper

56 100

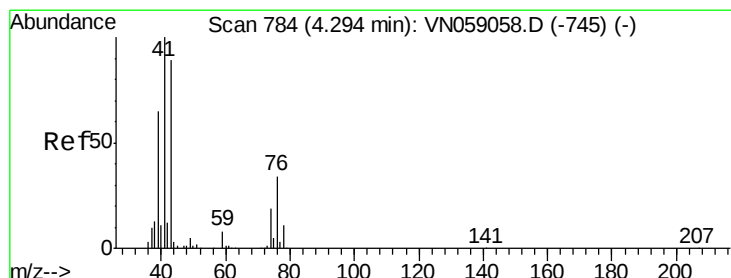
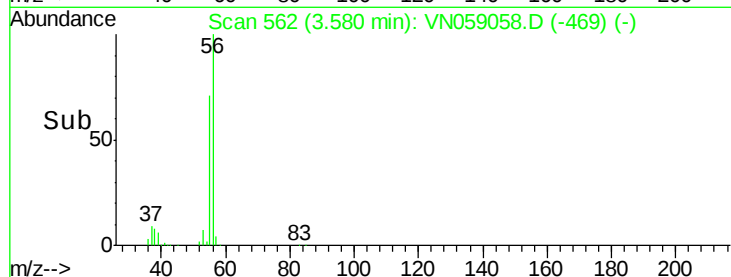
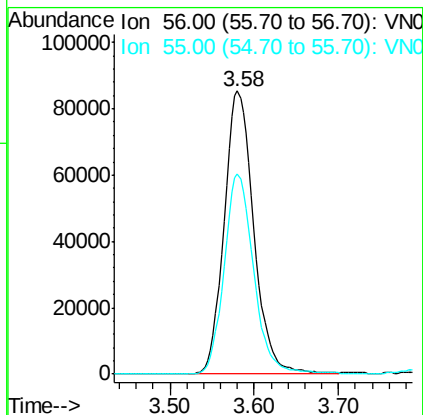
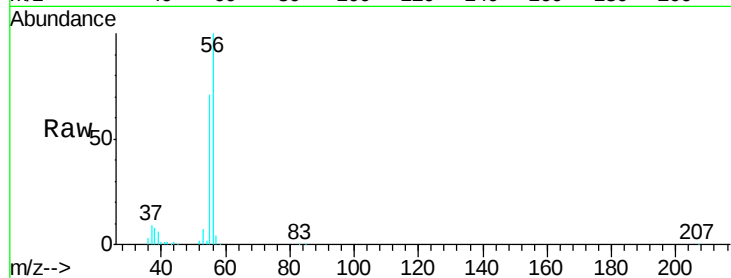
55 70.1 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/5/2019 1:59:01 PM



#14

Allyl chloride

Concen: 47.777 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

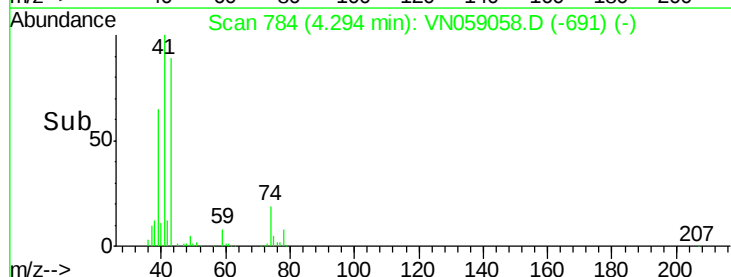
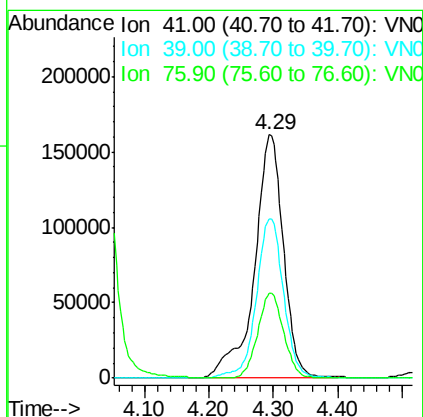
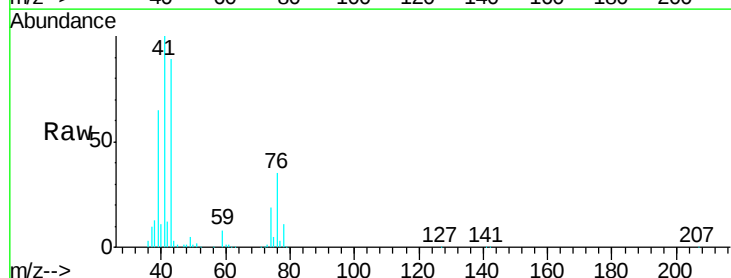
Tgt Ion: 41 Resp: 506018

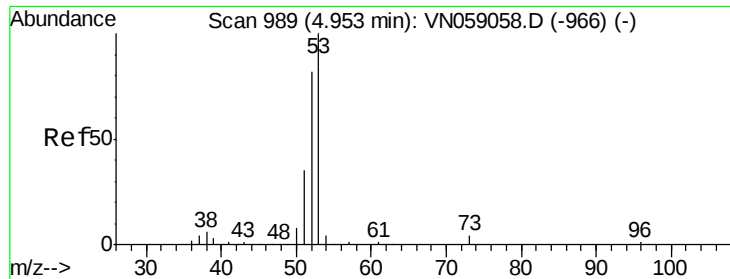
Ion Ratio Lower Upper

41 100

39 61.8 49.4 74.2

76 30.8 24.6 37.0





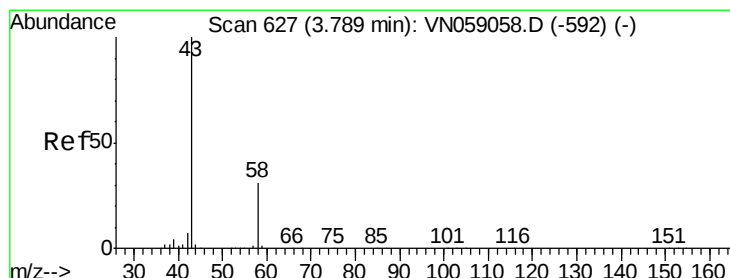
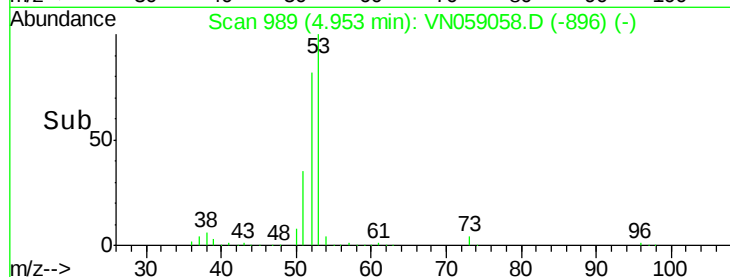
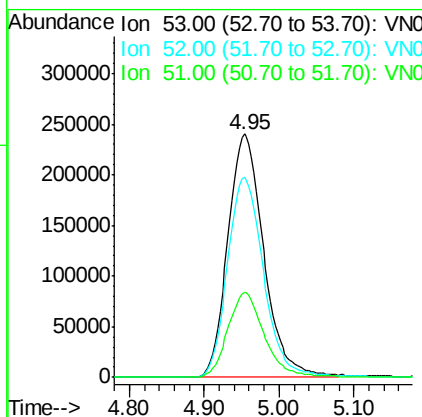
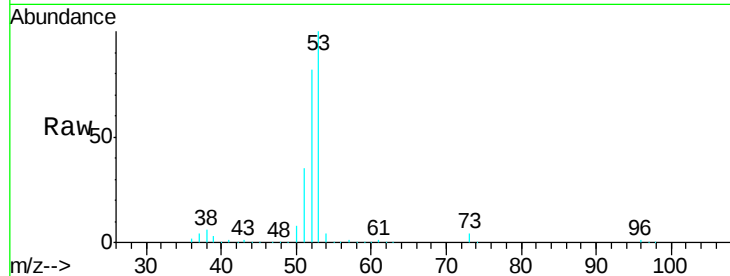
#15
Acrylonitrile
Concen: 246.854 ug/l
RT: 4.95 min Scan# 989
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.0	99.0
51	35.4	28.3	42.5

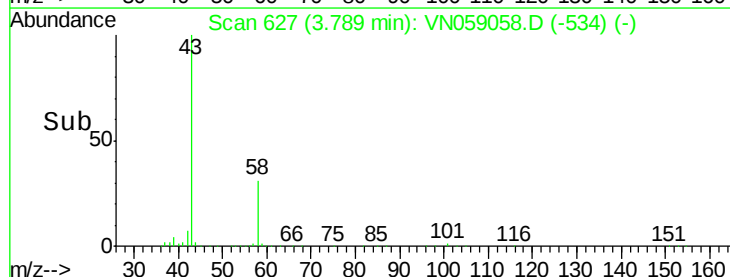
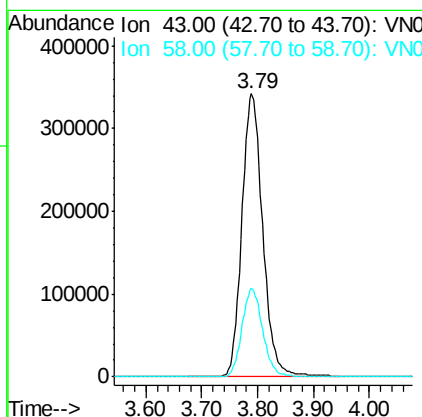
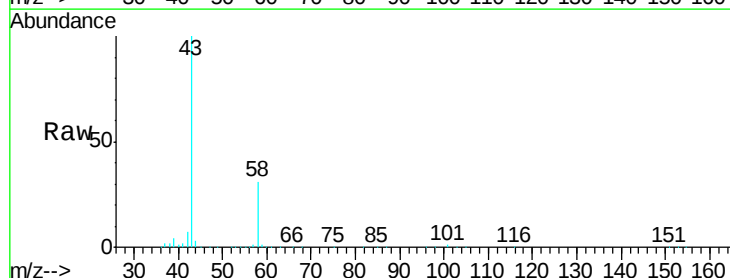
Manual Integrations
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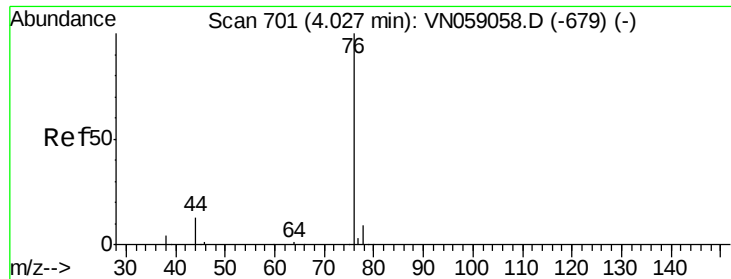
MMDadoda
11/5/2019 1:59:01 PM



#16
Acetone
Concen: 234.538 ug/l
RT: 3.79 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.0	37.6





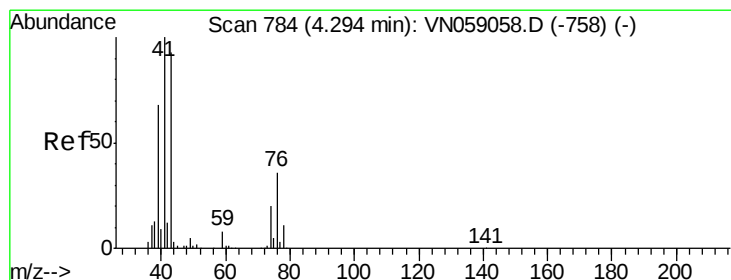
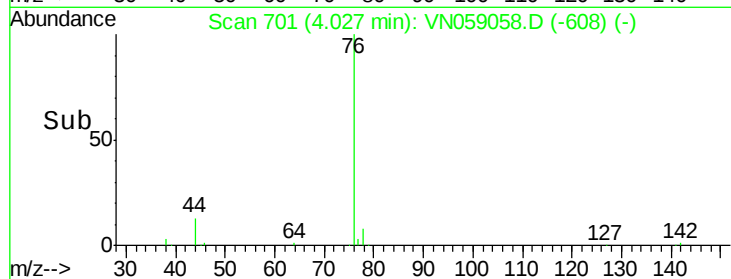
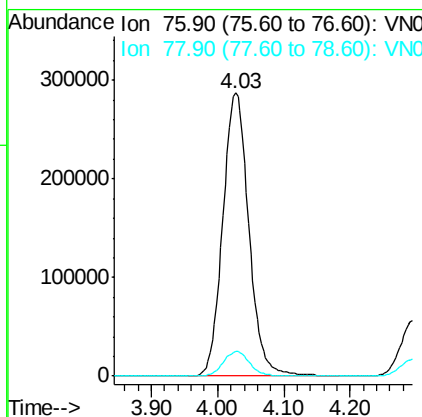
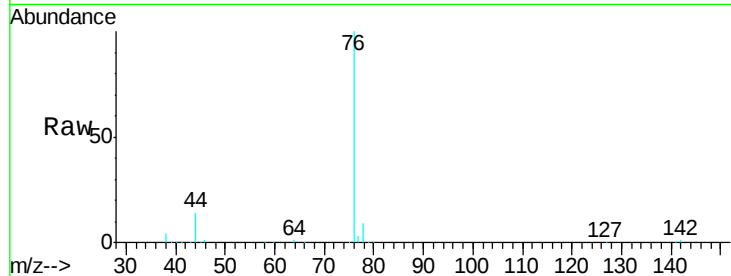
#17
Carbon Disulfide
Concen: 46.666 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 76 Resp: 784913
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

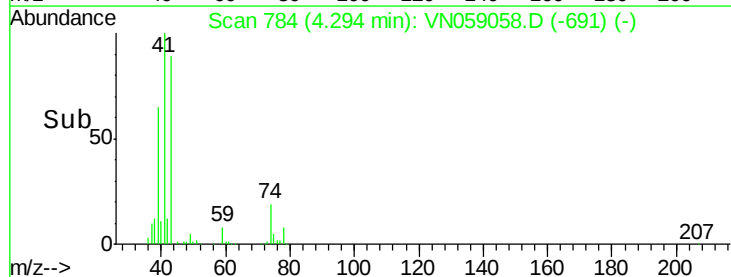
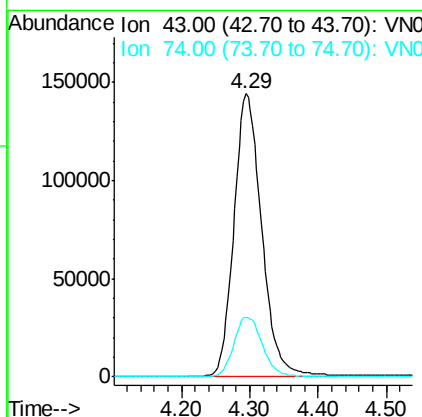
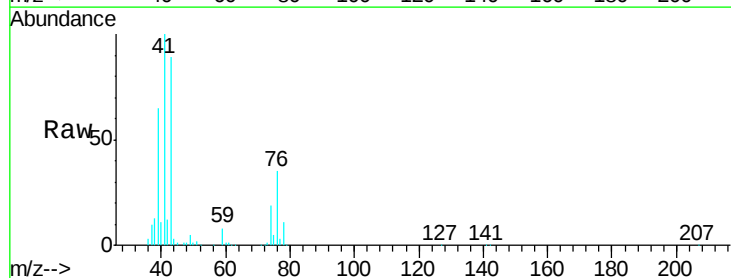
Manual Integrations
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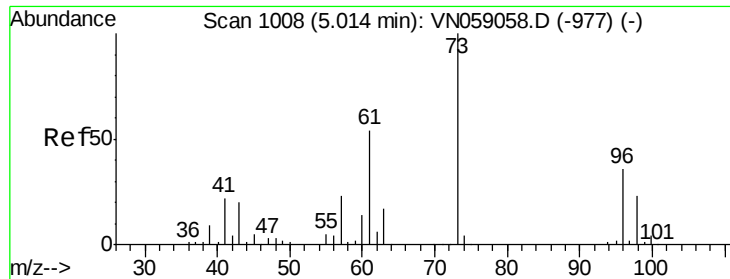
MMDadoda
11/5/2019 1:59:01 PM



#18
Methyl Acetate
Concen: 46.148 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 43 Resp: 405460
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3





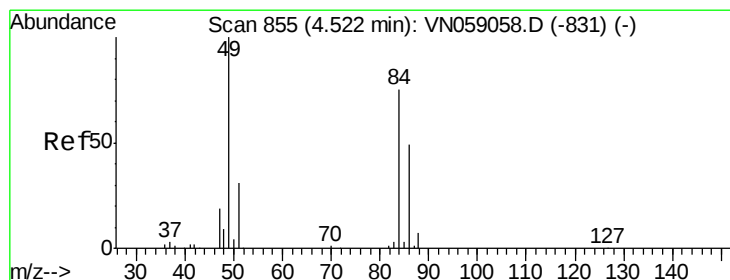
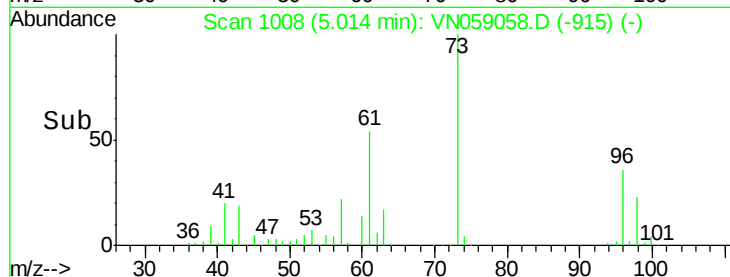
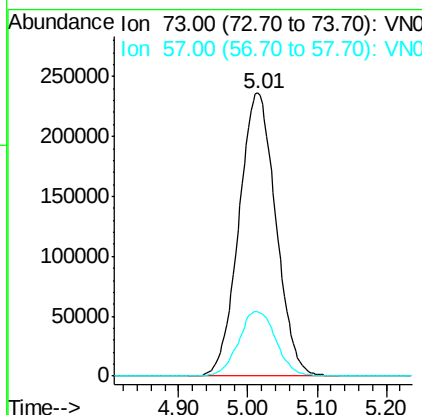
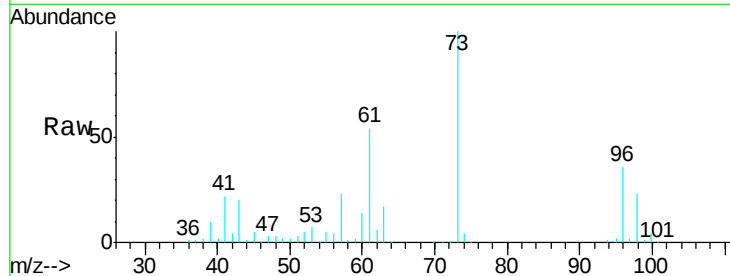
#19
Methyl tert-butyl Ether
Concen: 47.907 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 73 Resp: 874342
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6

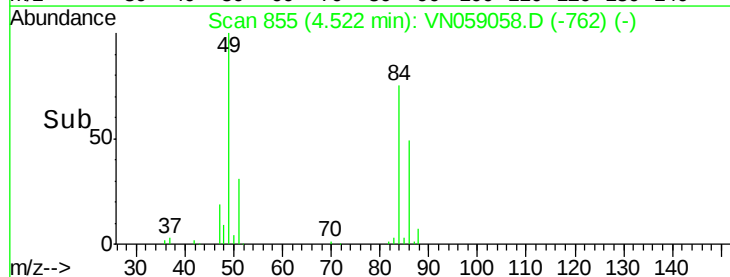
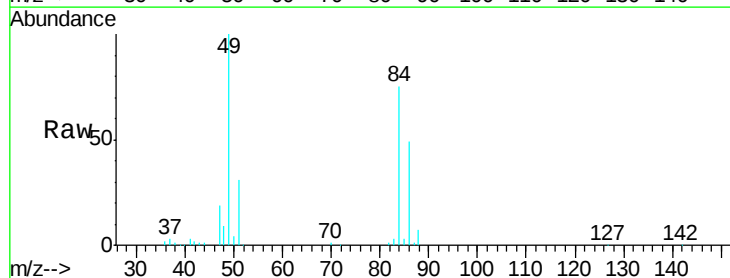
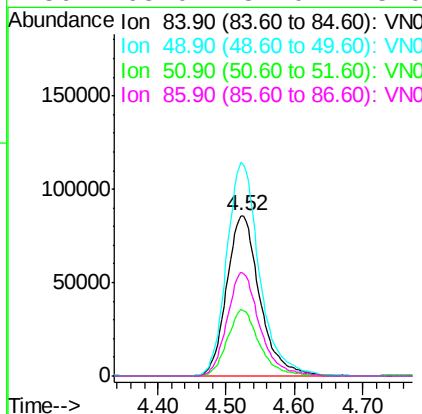
Manual Integrations
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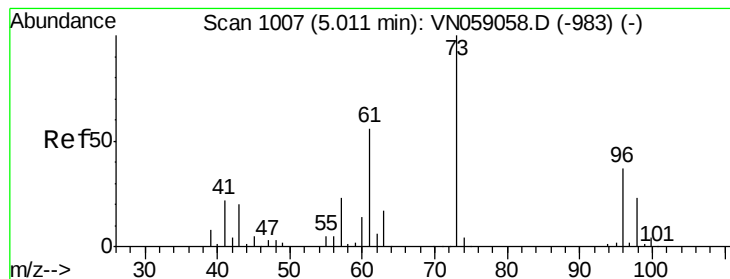
MMDadoda
11/5/2019 1:59:01 PM



#20
Methylene Chloride
Concen: 44.202 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 84 Resp: 290360
Ion Ratio Lower Upper
84 100
49 133.0 106.4 159.6
51 41.2 33.0 49.4
86 65.0 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 46.962 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 96 Resp: 270733

Ion Ratio Lower Upper

96 100

61 152.1 121.7 182.5

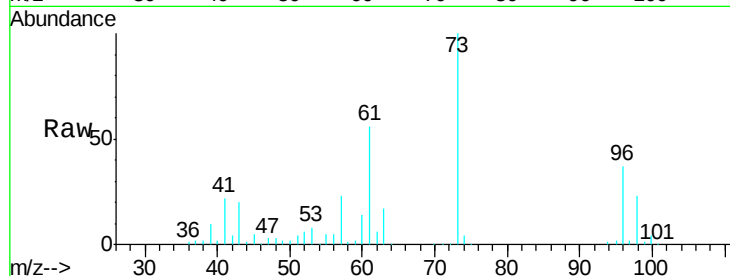
98 63.3 50.6 76.0

Manual Integrations

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MMDadoda

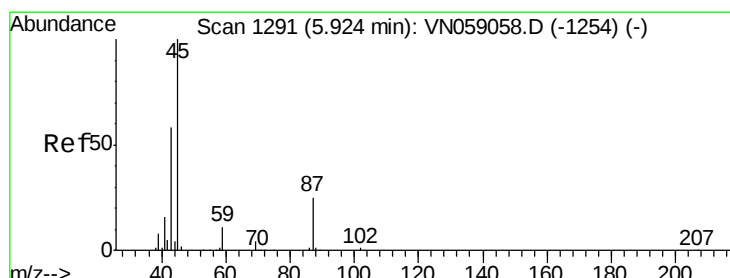
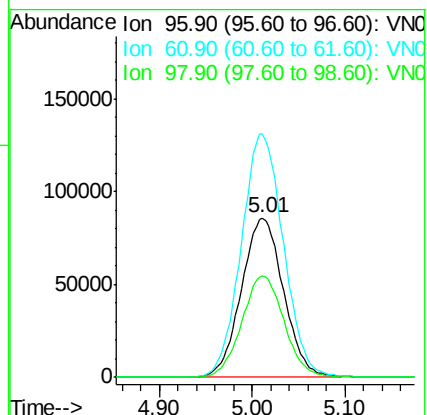
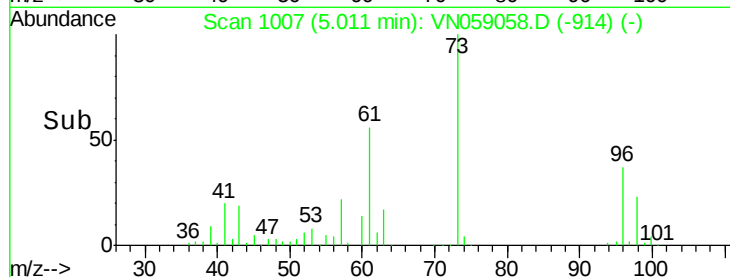
11/5/2019 1:59:01 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.130 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion: 45 Resp: 991745

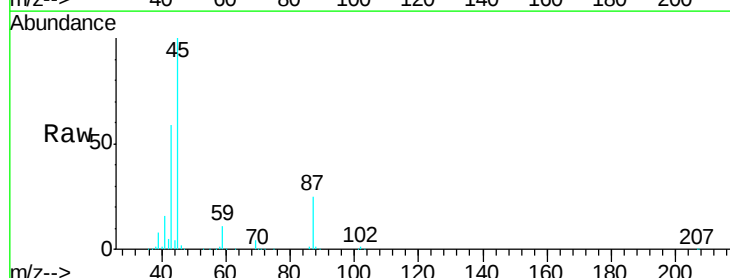
Ion Ratio Lower Upper

45 100

43 58.6 46.9 70.3

87 25.1 20.1 30.1

59 11.2 9.0 13.4

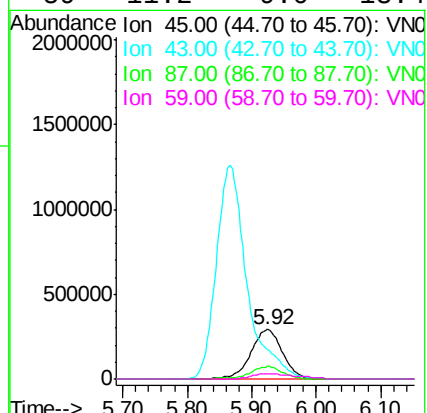
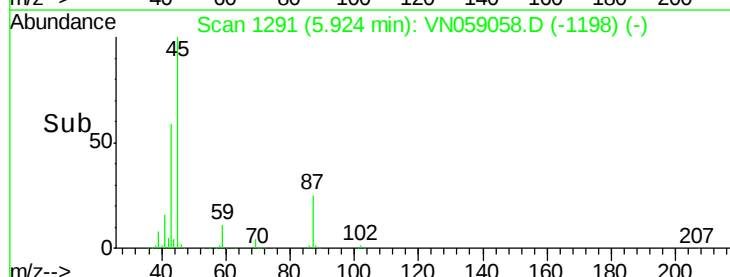


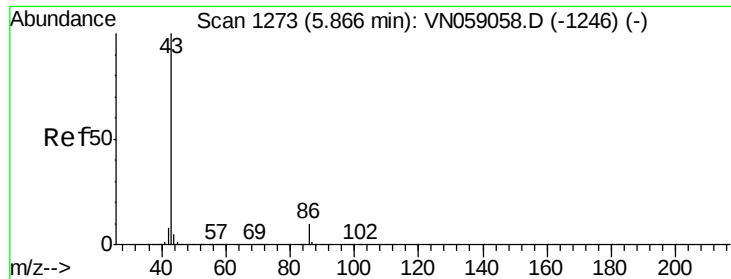
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





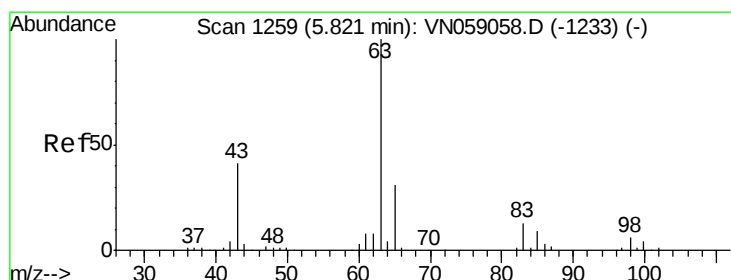
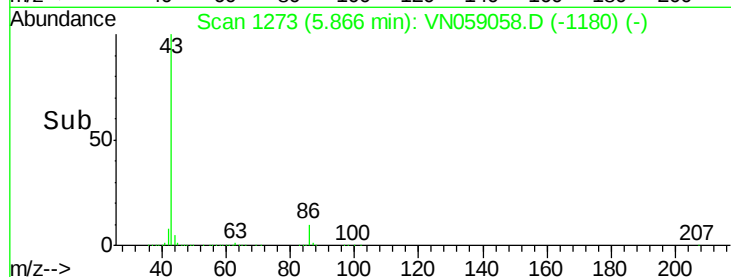
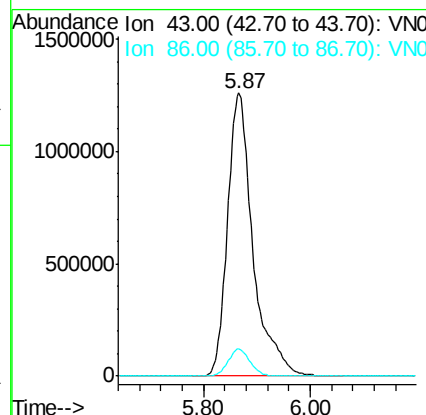
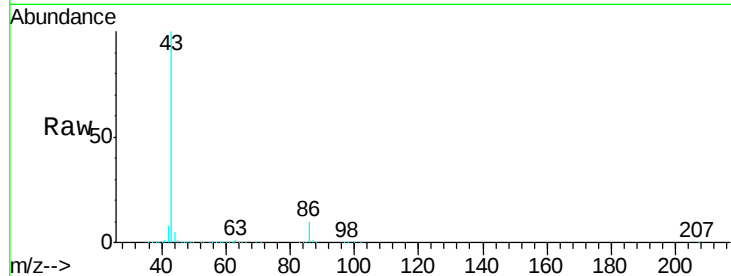
#23
 Vinyl Acetate
 Concen: 253.621 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion: 43 Resp: 4177335
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.6 11.4

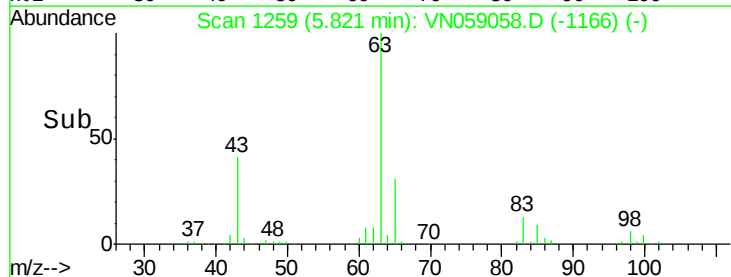
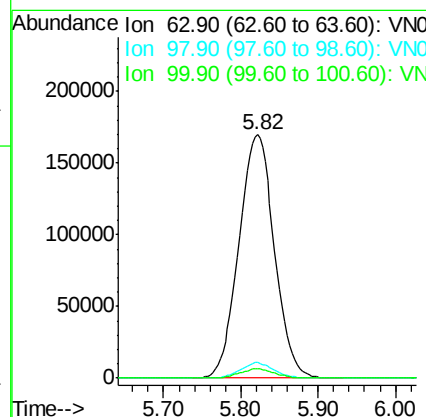
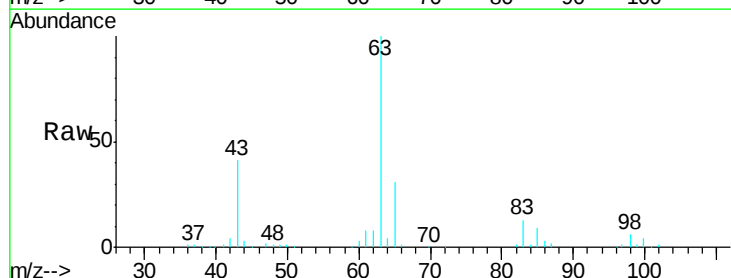
Manual Integrations
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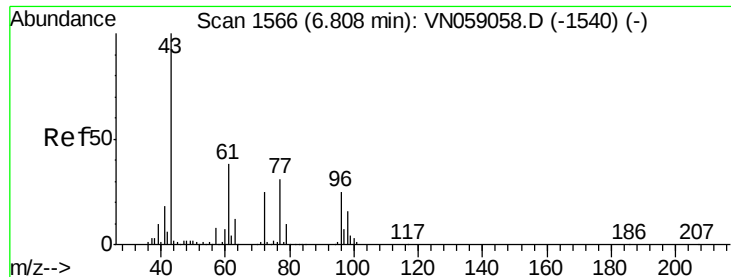
MMDadoda
 11/5/2019 1:59:01 PM



#24
 1,1-Dichloroethane
 Concen: 45.159 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 63 Resp: 539616
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.0 2.0 6.0





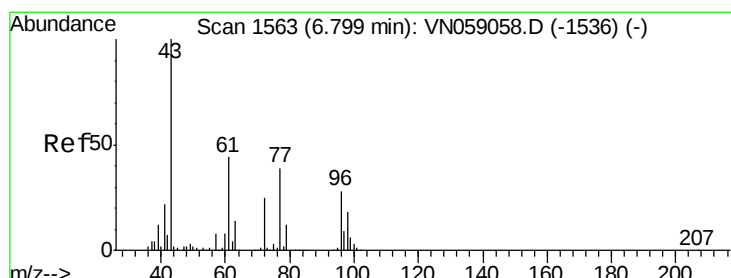
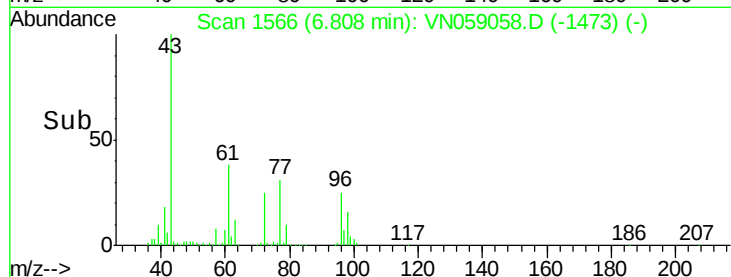
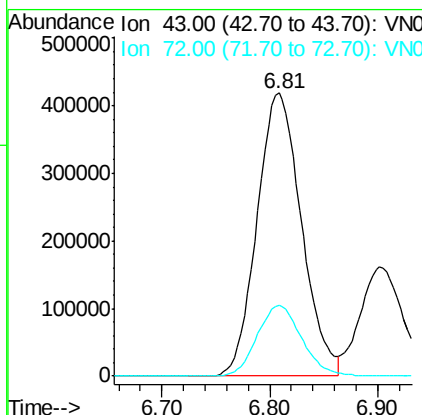
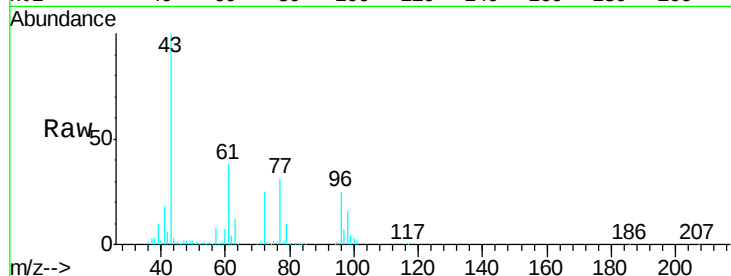
#25
2-Butanone
Concen: 240.148 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 1190616
Ion Ratio Lower Upper
43 100
72 24.9 19.9 29.9

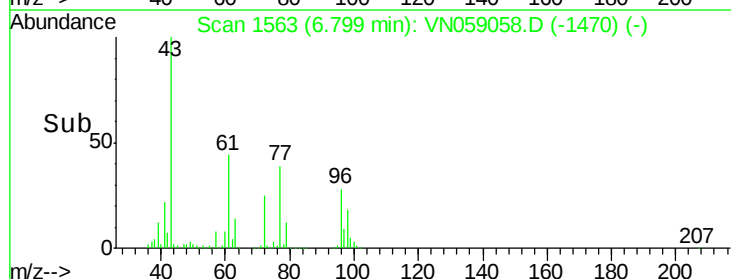
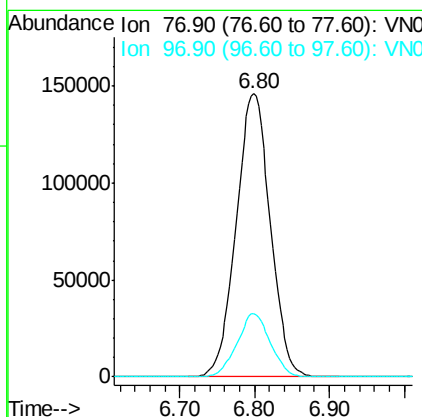
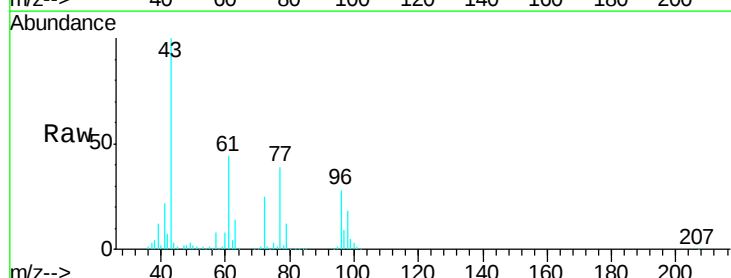
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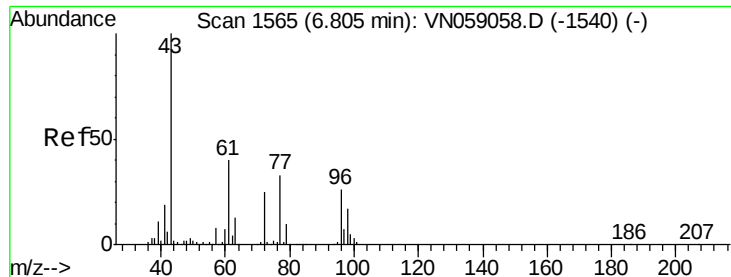
MMDadoda
11/5/2019 1:59:01 PM



#26
2,2-Dichloropropane
Concen: 44.923 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 77 Resp: 462583
Ion Ratio Lower Upper
77 100
97 21.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 47.125 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

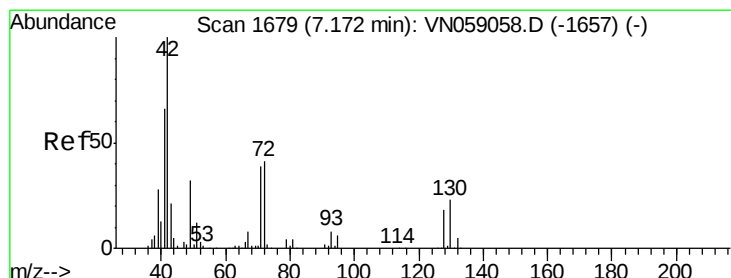
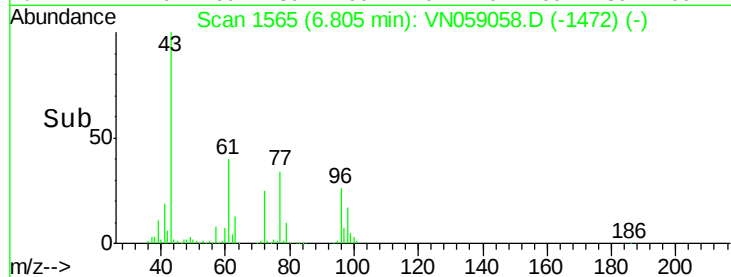
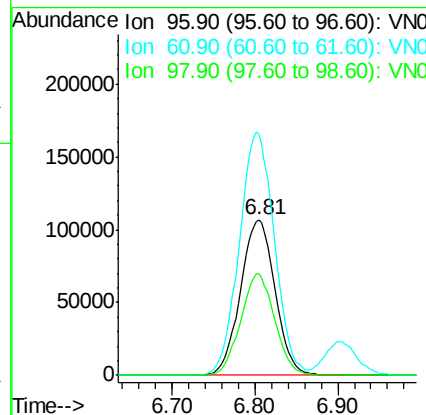
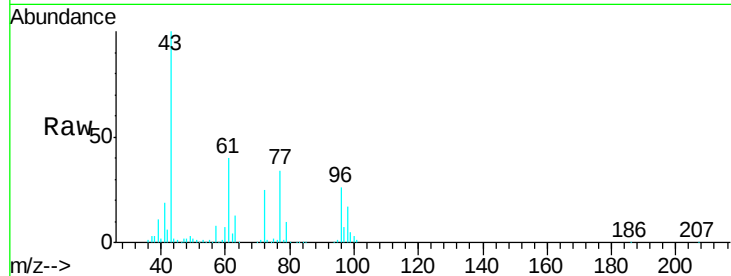
ClientSampleId :

VSTDIC050

Tgt Ion:	96	Resp:	309750
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	316.4
98	64.1	0.0	128.2

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#28

Bromochloromethane

Concen: 42.416 ug/l

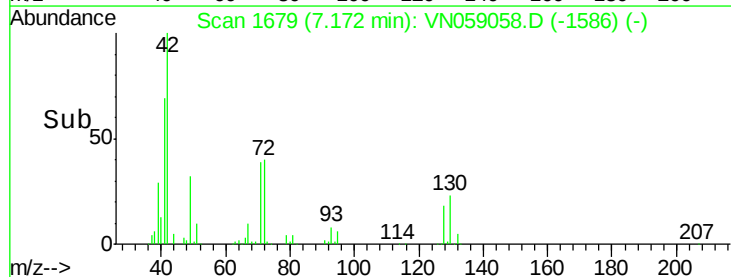
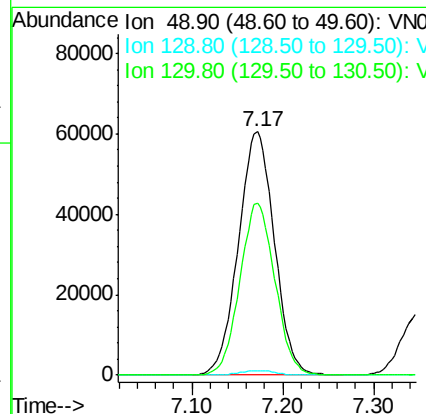
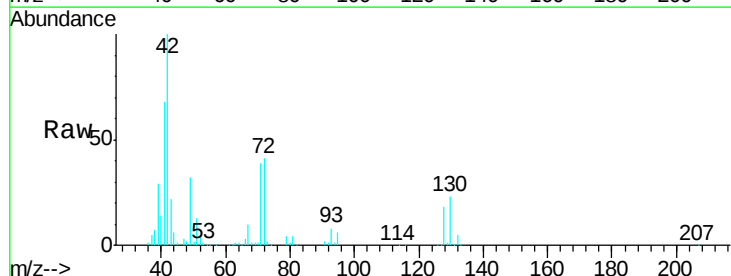
RT: 7.17 min Scan# 1679

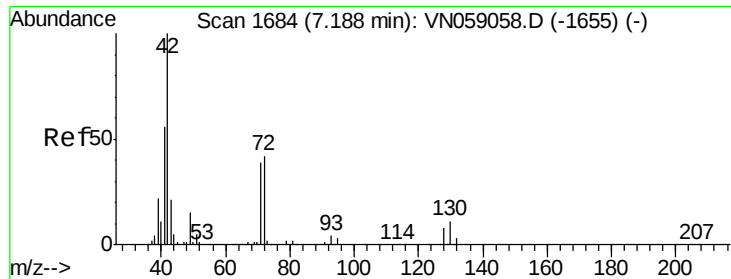
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	49	Resp:	166265
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.8	55.0	82.6





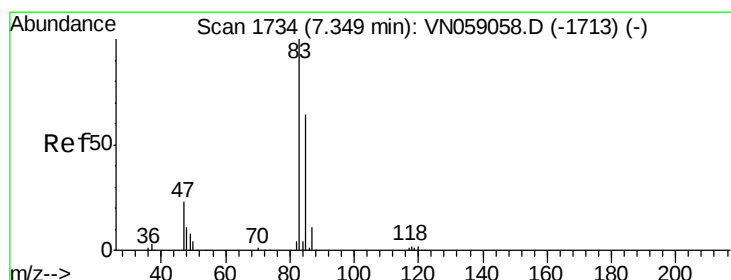
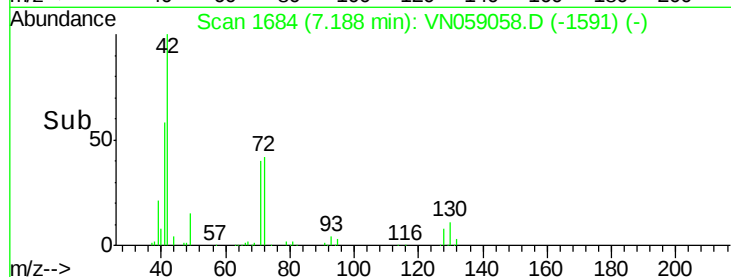
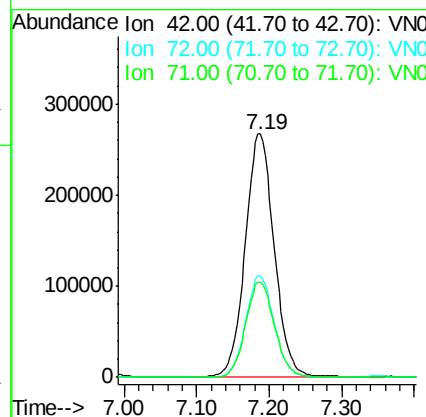
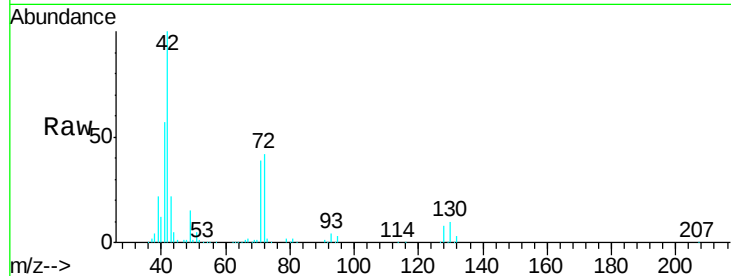
#29
Tetrahydrofuran
Concen: 244.695 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	39.0	31.2	46.8

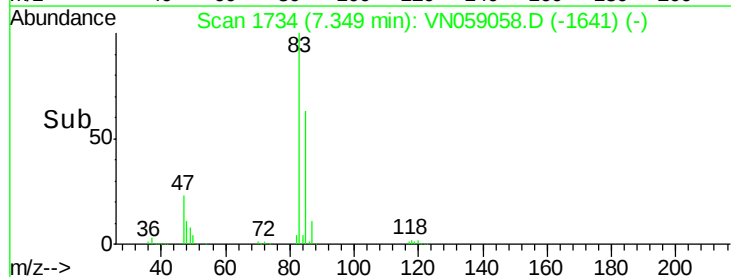
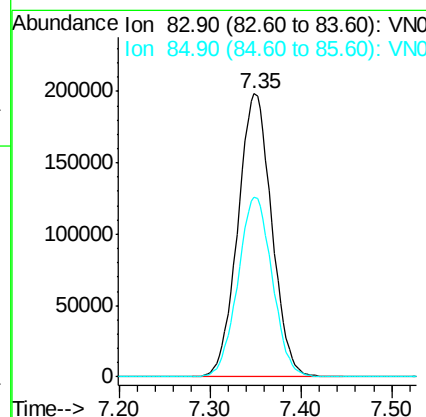
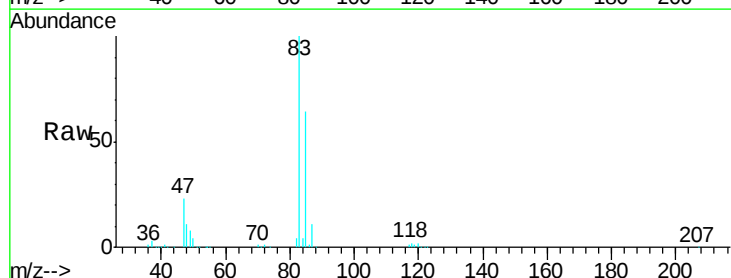
Manual Integrations
APPROVED

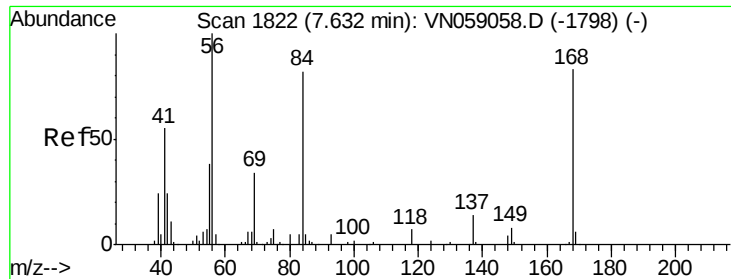
MMDadoda
11/5/2019 1:59:01 PM



#30
Chloroform
Concen: 43.116 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





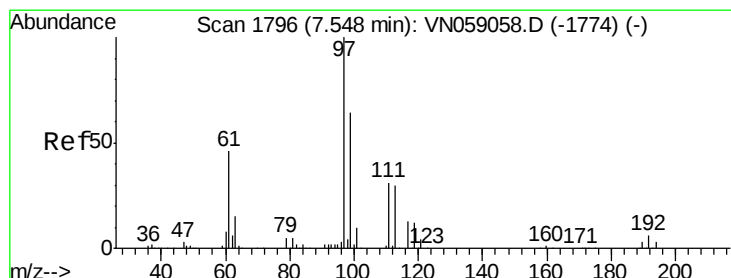
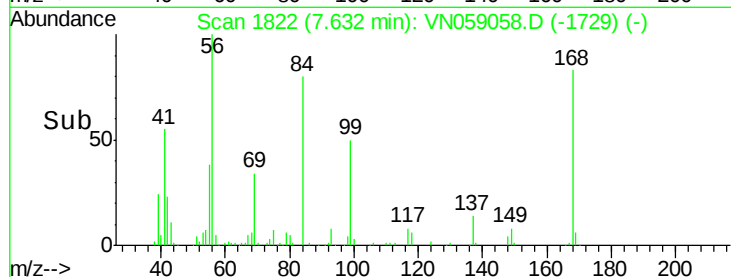
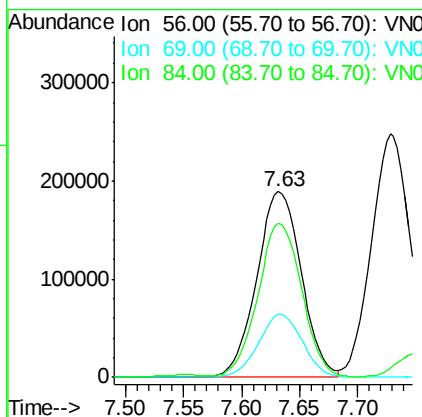
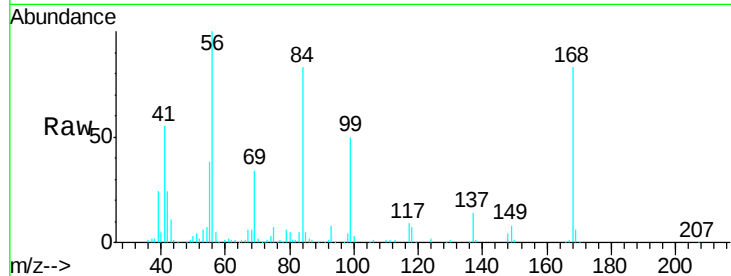
#31
Cyclohexane
Concen: 45.636 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.0	27.2	40.8
84	81.5	65.2	97.8

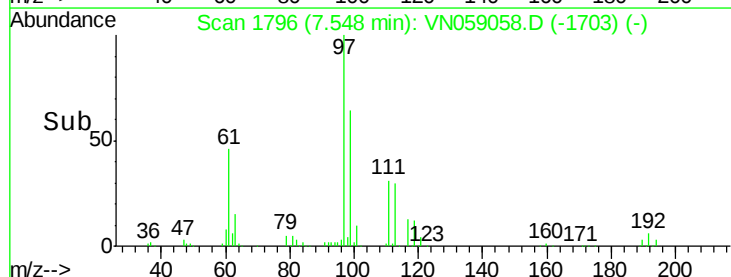
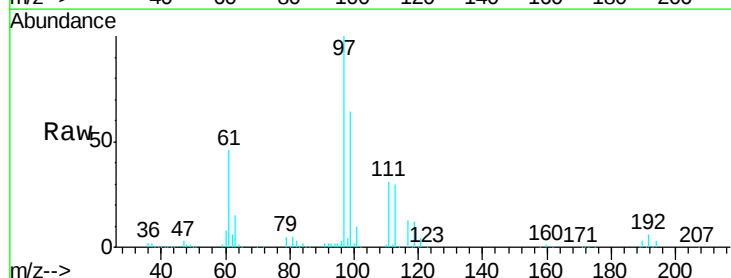
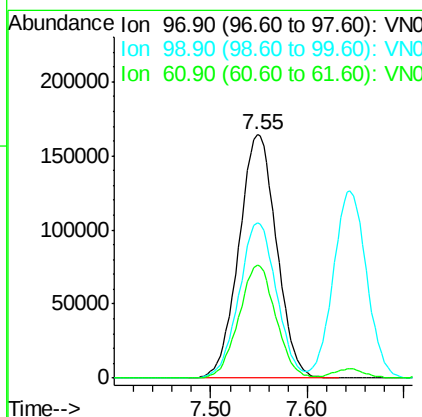
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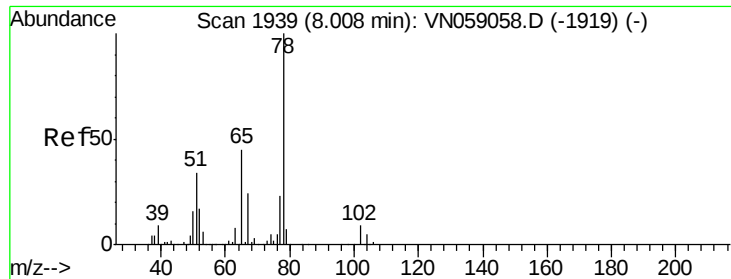
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 44.396 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.7	76.1
61	45.4	36.3	54.5





#33

1,2-Dichloroethane-d4

Concen: 45.866 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 65 Resp: 353109

Ion Ratio Lower Upper

65 100

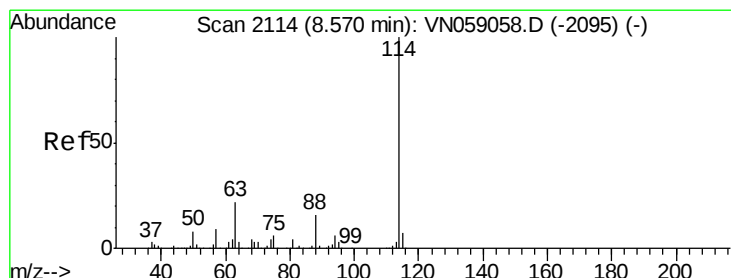
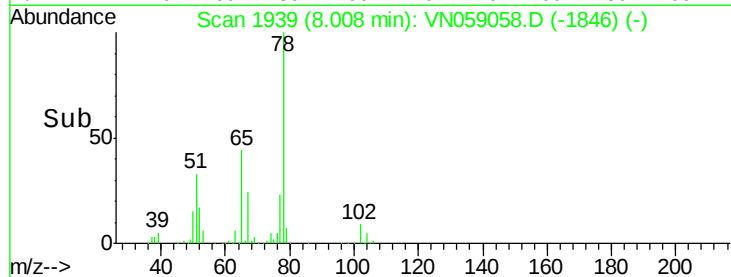
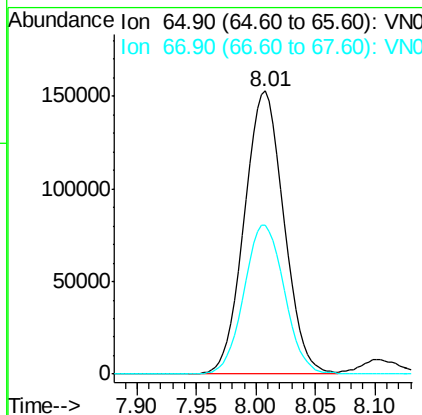
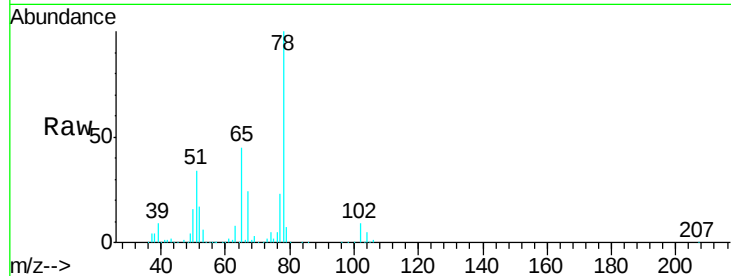
67 53.8 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

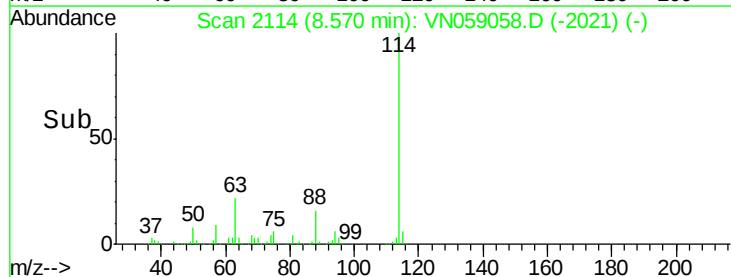
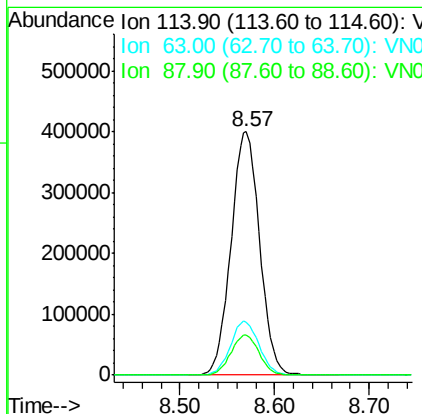
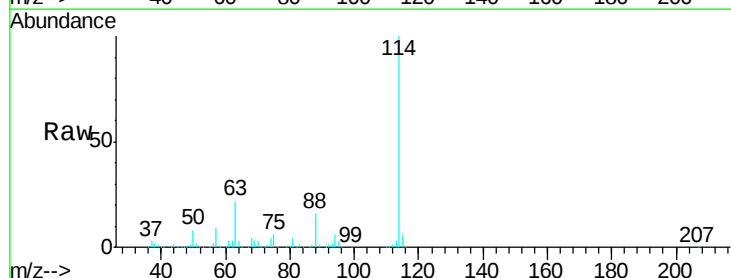
Tgt Ion: 114 Resp: 839319

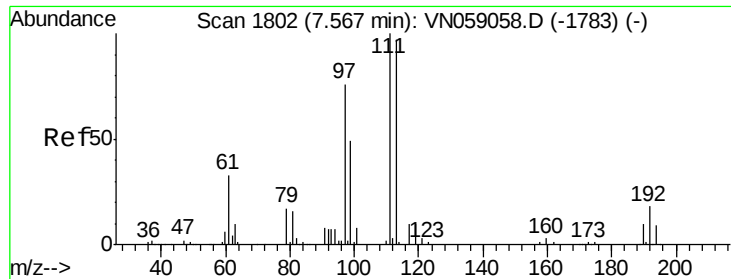
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

88 16.5 0.0 33.0





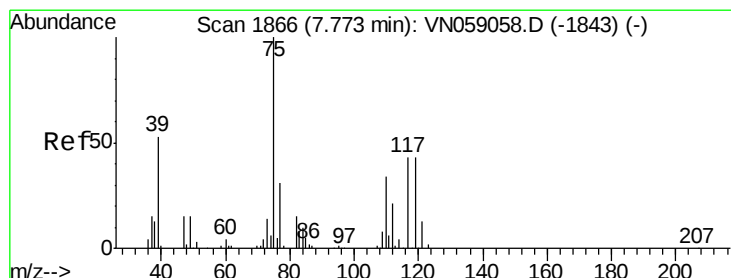
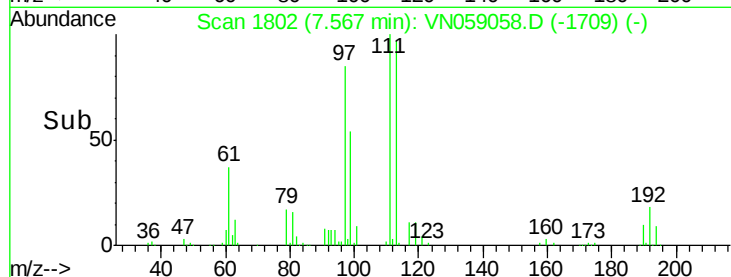
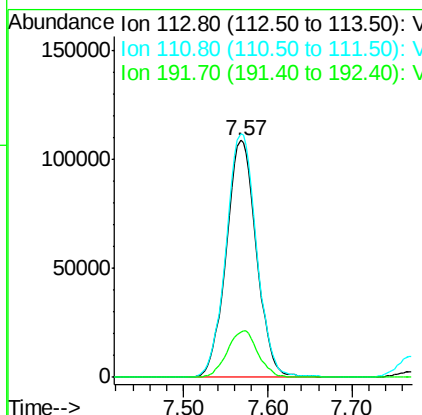
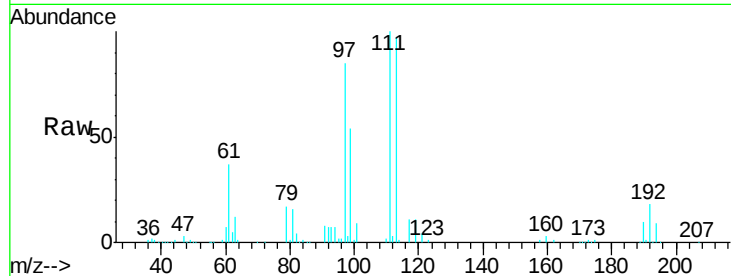
#35
Dibromofluoromethane
Concen: 49.345 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	271292		
111	103.6	82.9	124.3	
192	19.9	15.9	23.9	

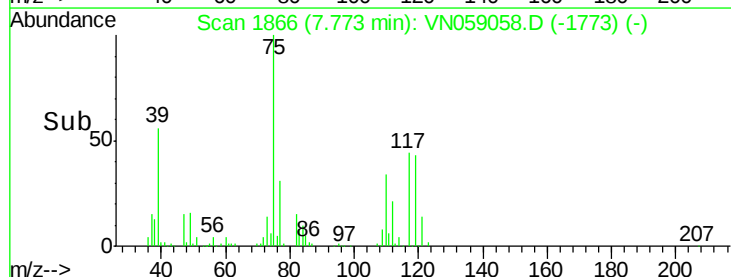
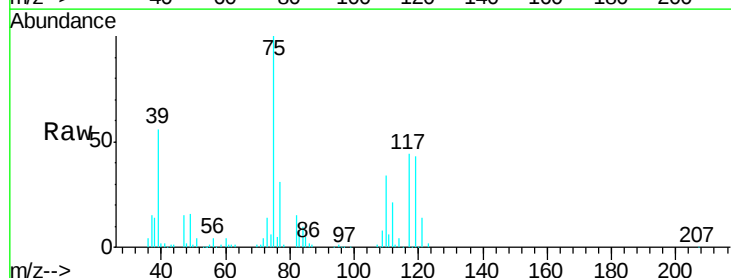
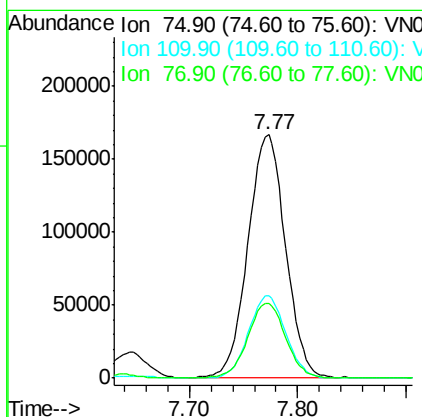
Manual Integrations
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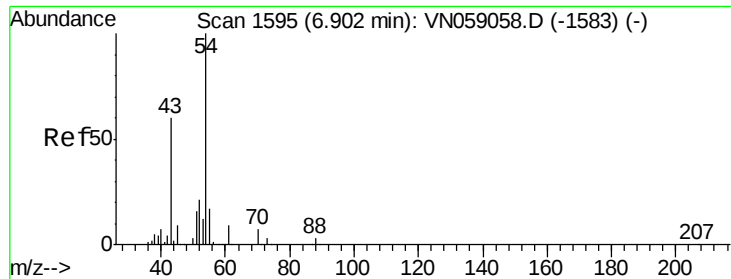
MMDadoda
11/5/2019 1:59:01 PM



#36
1,1-Dichloropropene
Concen: 47.484 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	401311		
110	33.7	16.9	50.6	
77	31.2	25.0	37.4	





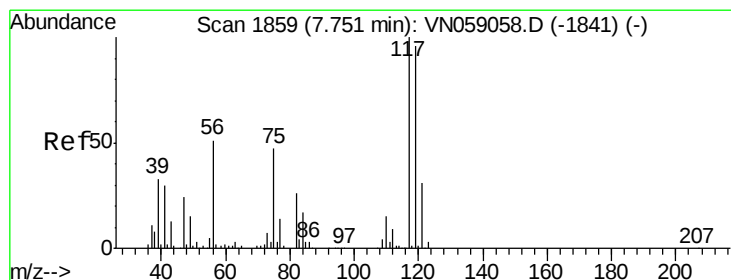
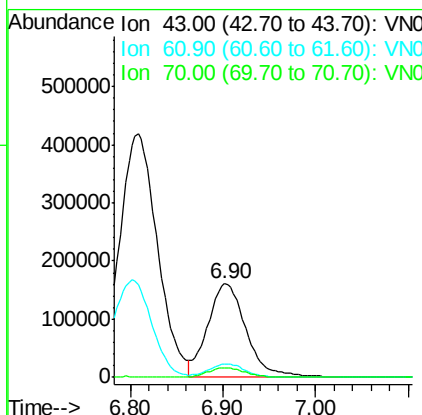
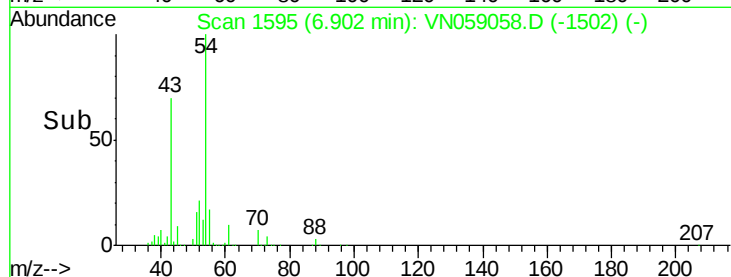
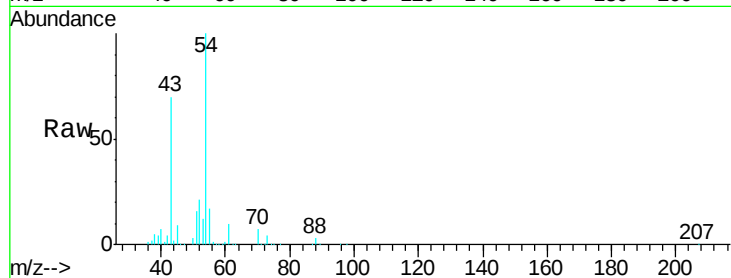
#37
Ethyl Acetate
Concen: 49.267 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	10.0	8.0	12.0

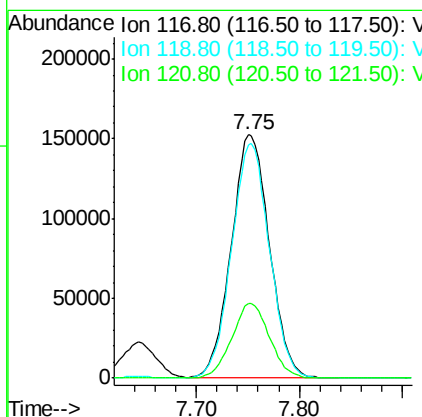
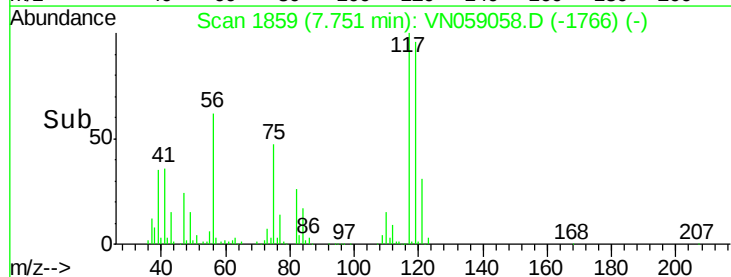
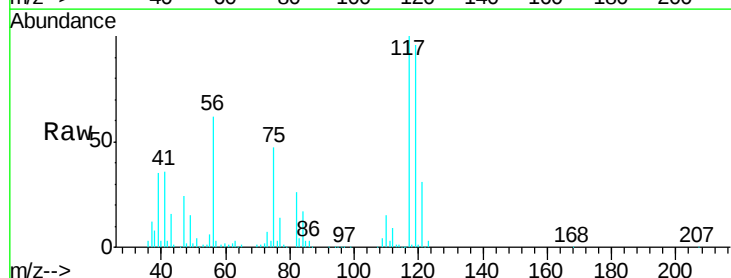
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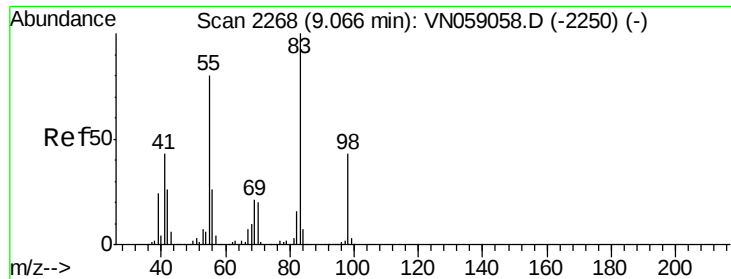
MMDadoda
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#38
Carbon Tetrachloride
Concen: 45.259 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.6	114.8
121	30.8	24.6	37.0





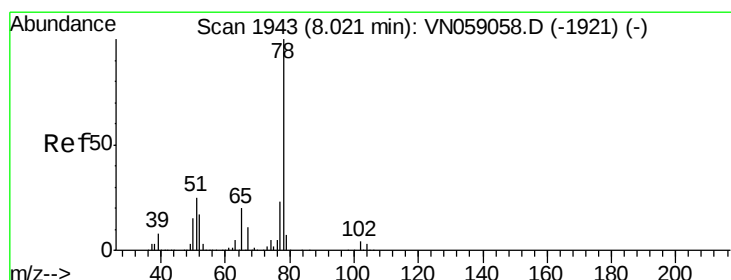
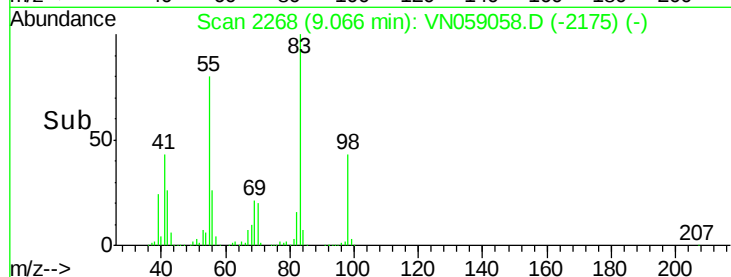
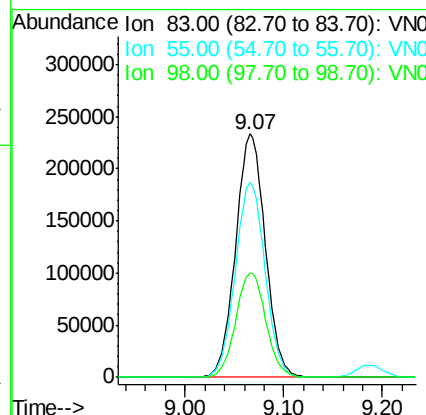
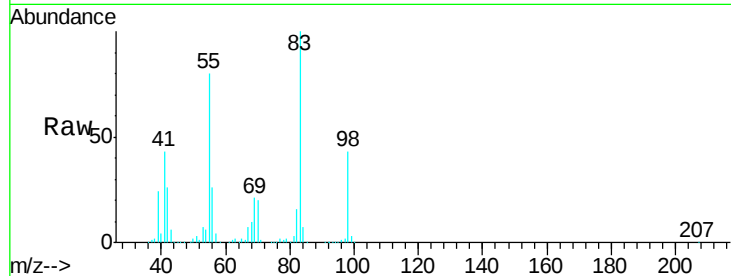
#39
Methylcyclohexane
Concen: 50.897 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	487174		
55	80.1	64.1	96.1	
98	42.9	34.3	51.5	

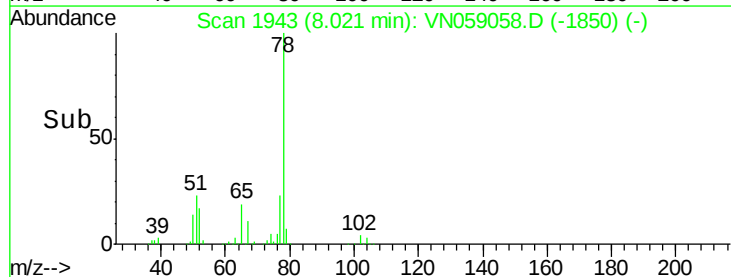
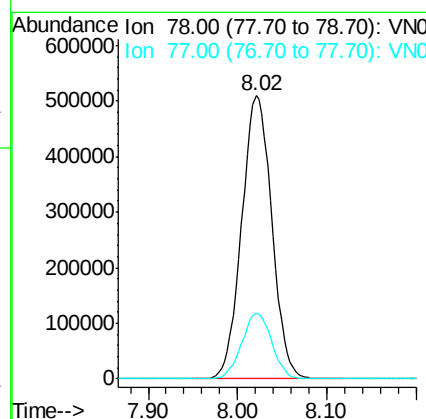
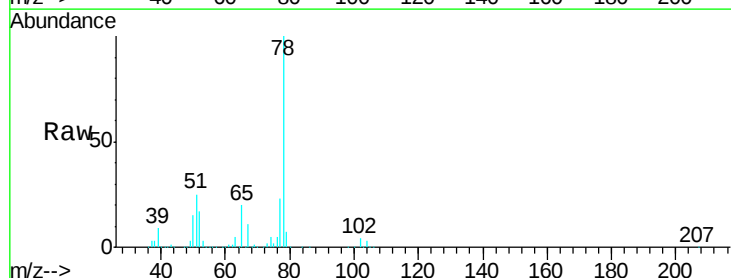
Manual Integrations
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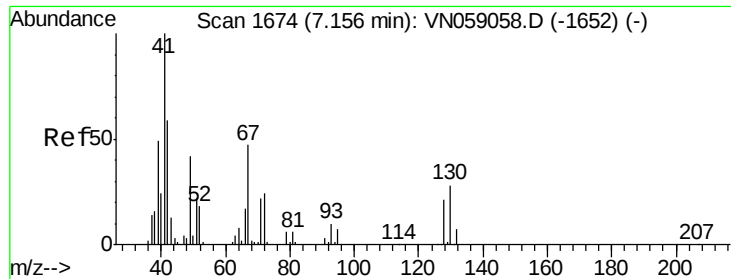
MMDadoda
11/5/2019 1:59:01 PM



#40
Benzene
Concen: 48.020 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1196738		
77	23.2	18.6	27.8	





#41

Methacrylonitrile

Concen: 49.555 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 41 Resp: 207168
Ion Ratio Lower Upper

41 100

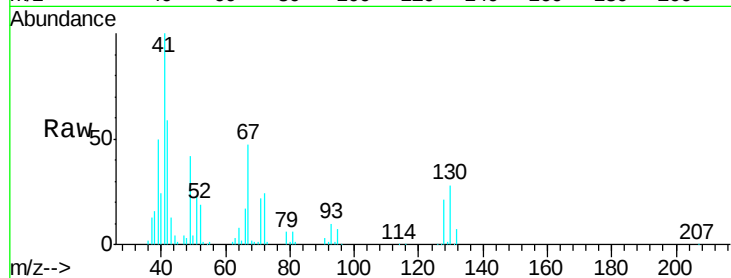
39 0.0 0.0 0.0

67 0.0 0.0 0.0

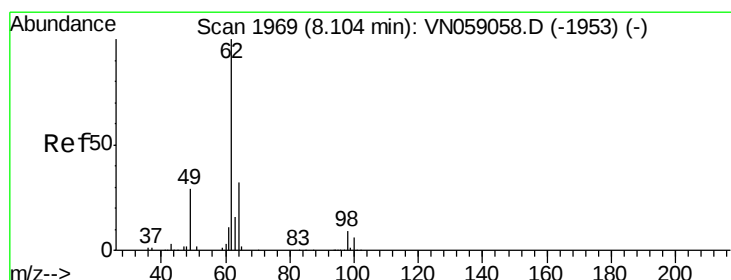
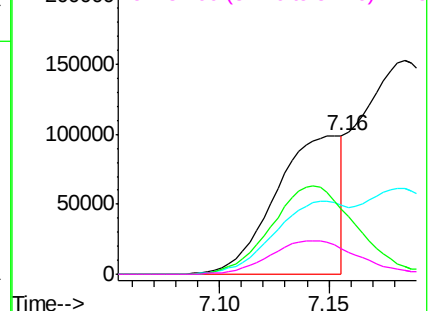
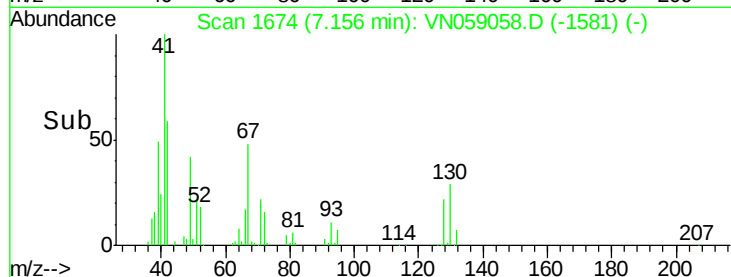
52 0.0 0.0 0.0

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 43.095 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

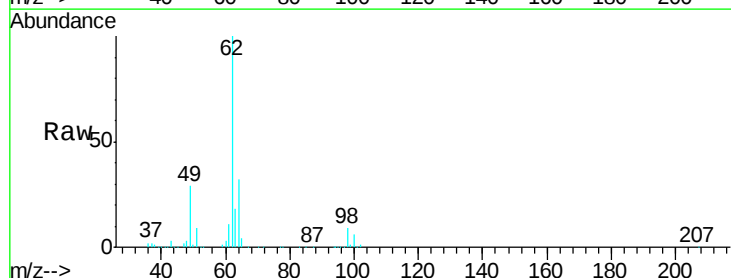
Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

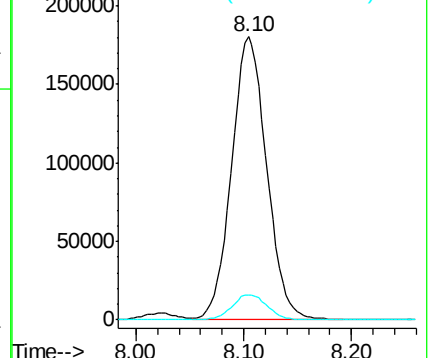
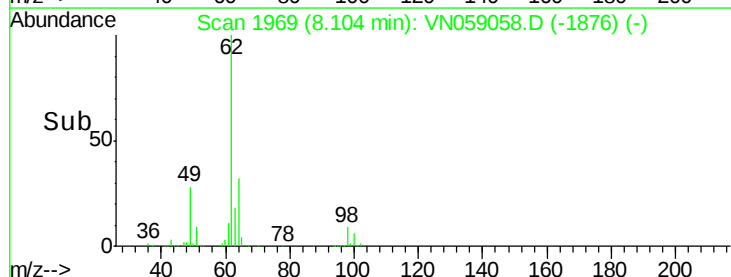
Tgt Ion: 62 Resp: 407453
Ion Ratio Lower Upper

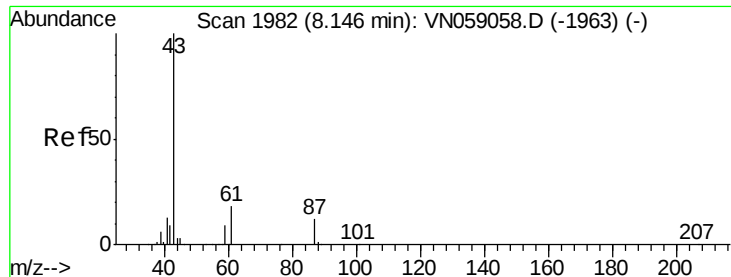
62 100

98 9.0 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 48.639 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

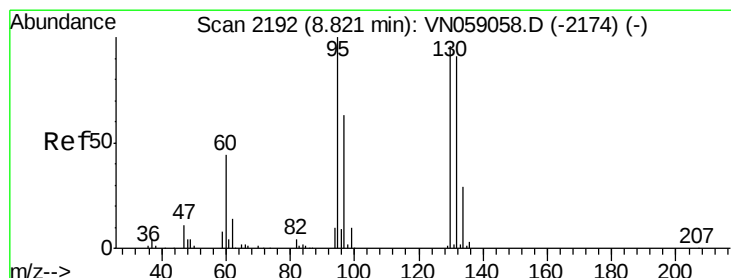
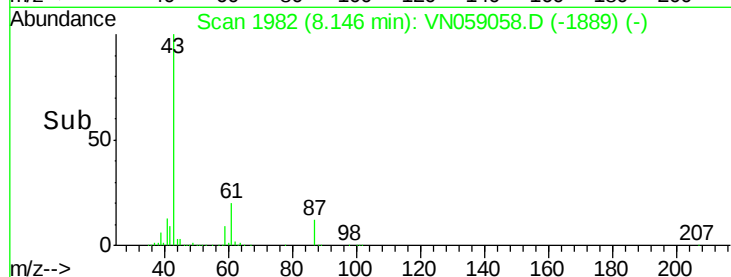
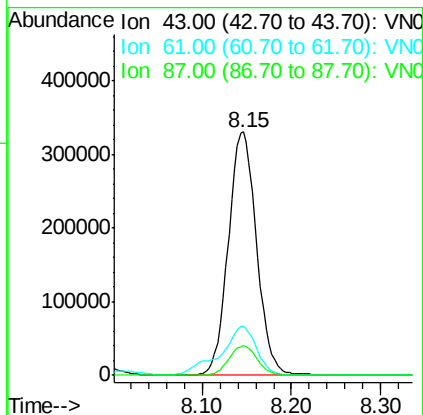
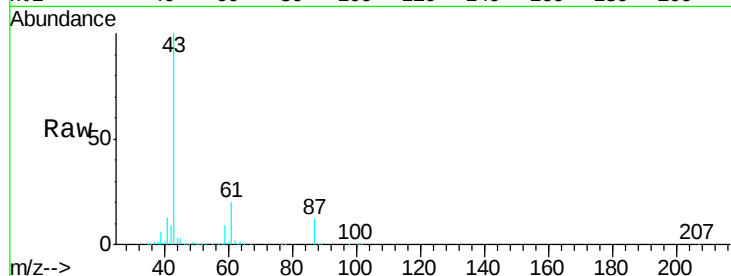
ClientSampleId :

VSTDIC050

Tgt Ion:	43	Resp:	721119
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.5	30.7
87	12.3	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 47.777 ug/l

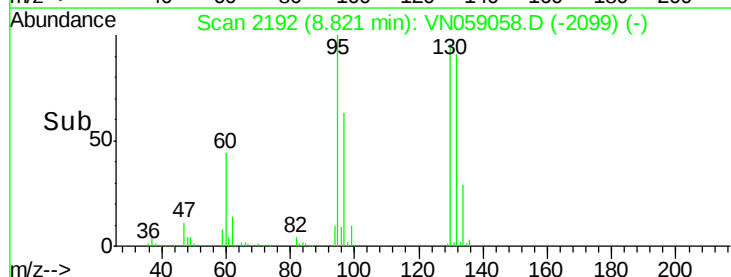
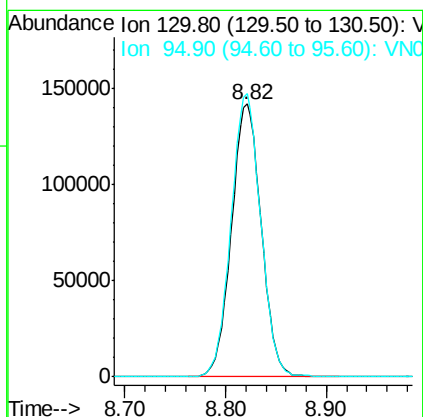
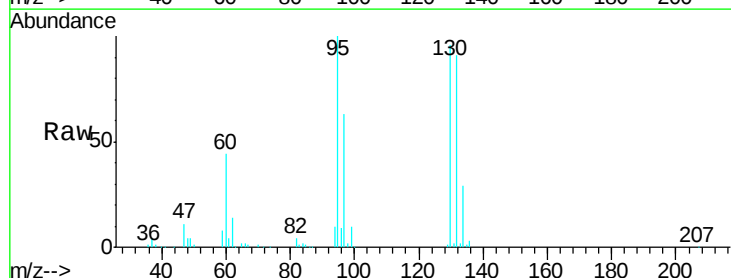
RT: 8.82 min Scan# 2192

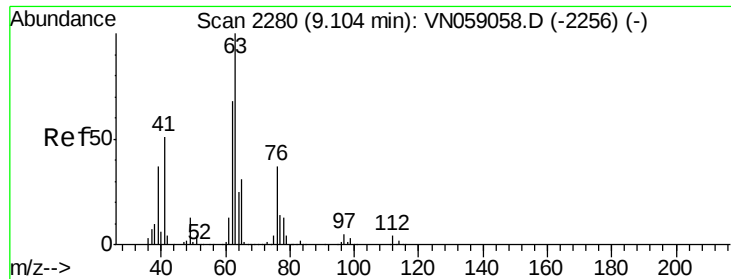
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	130	Resp:	290714
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	207.6





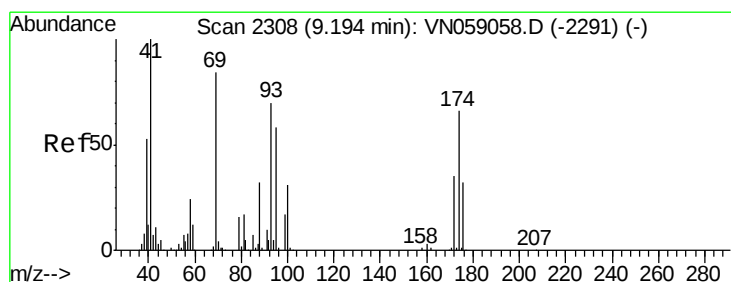
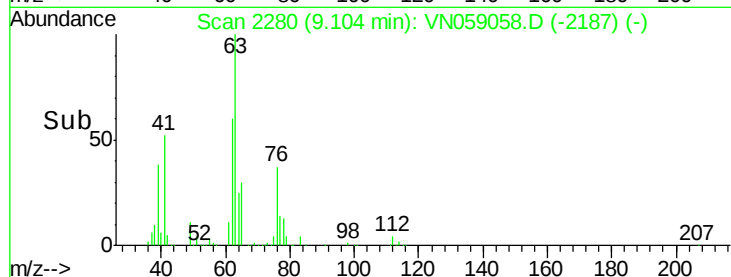
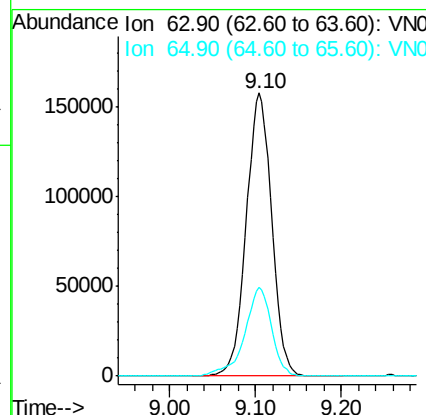
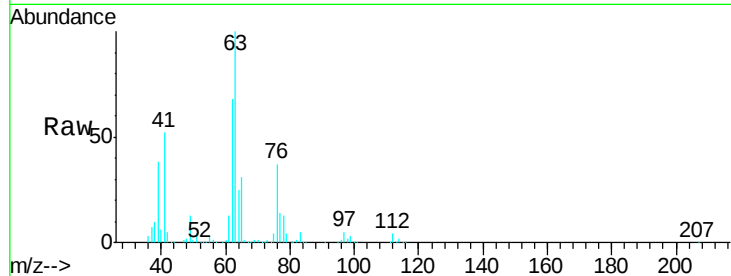
#45
 1,2-Dichloropropane
 Concen: 47.488 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 63 Resp: 324317
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

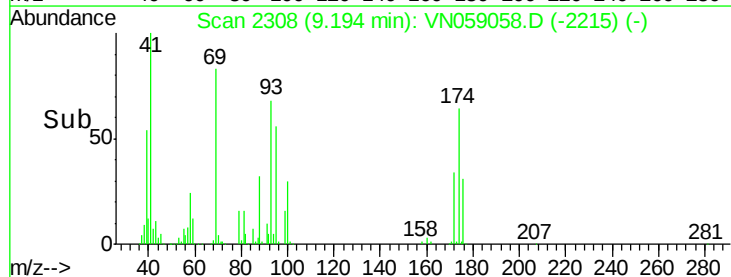
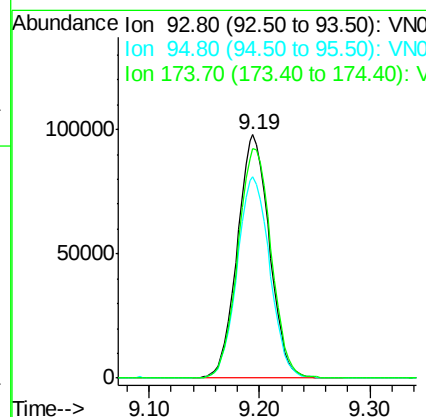
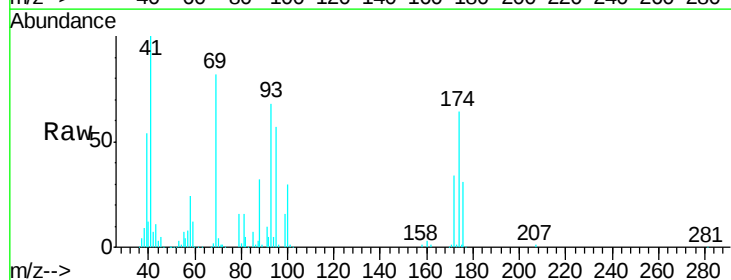
Manual Integrations
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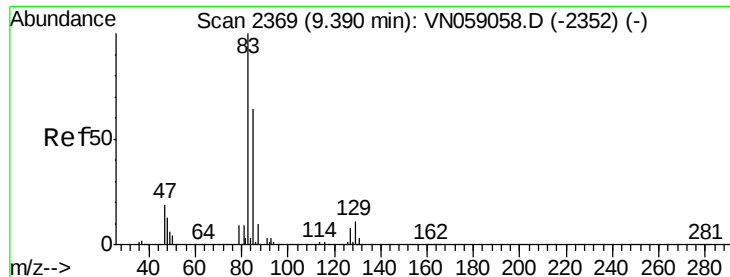
MMDadoda
 11/5/2019 1:59:01 PM



#46
 Dibromomethane
 Concen: 45.886 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 93 Resp: 197331
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.2 100.8
 174 97.9 78.3 117.5





#47

Bromodichloromethane

Concen: 45.796 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

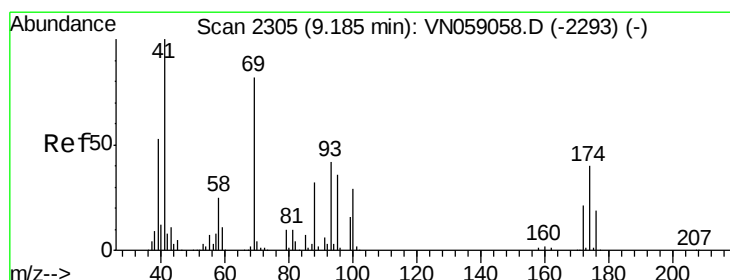
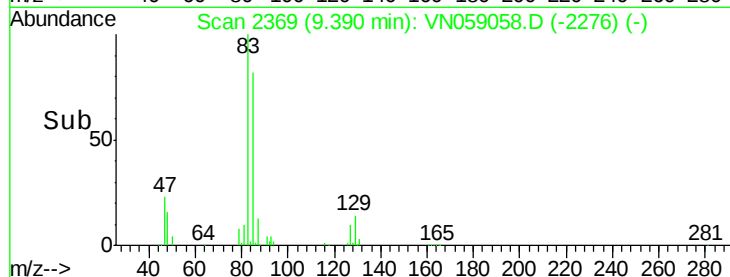
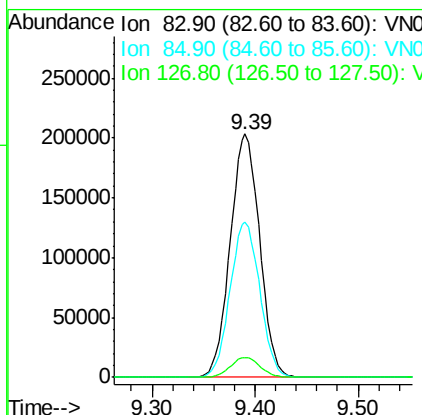
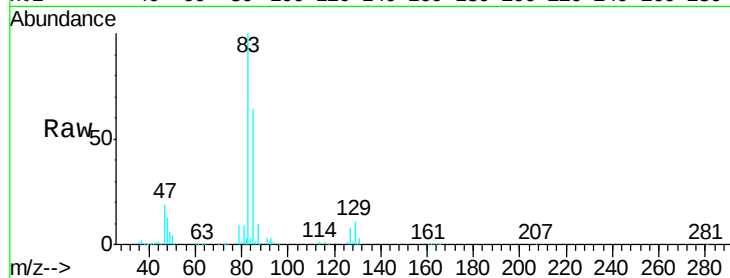
ClientSampleId :

VSTDIC050

Tgt Ion:	83	Resp:	404941
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.279 ug/l

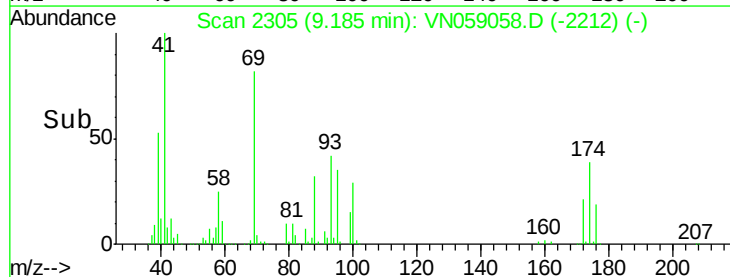
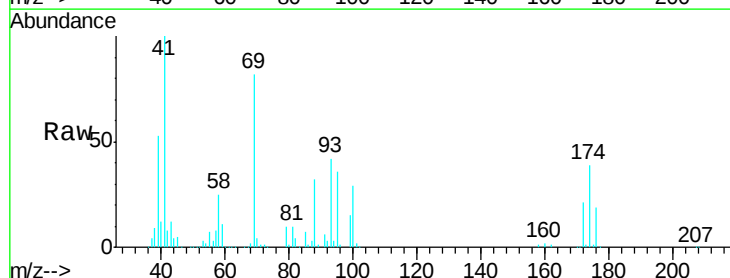
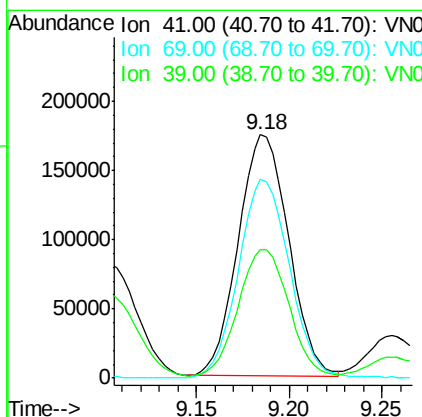
RT: 9.18 min Scan# 2305

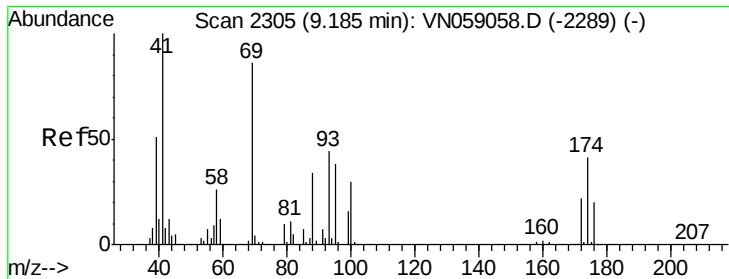
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	41	Resp:	329369
Ion Ratio	Lower	Upper	
41	100		
69	83.9	67.1	100.7
39	54.1	43.3	64.9





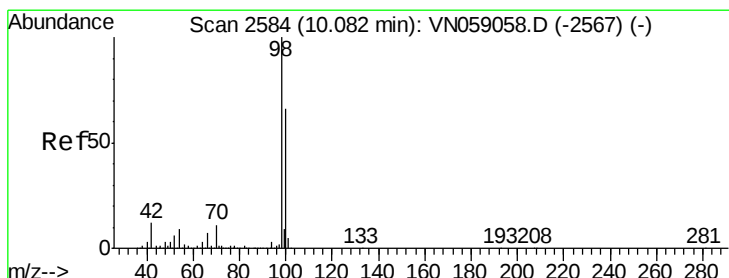
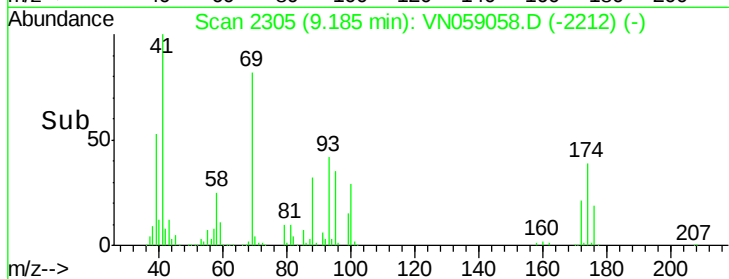
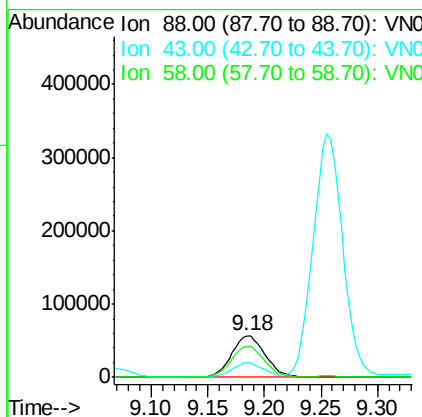
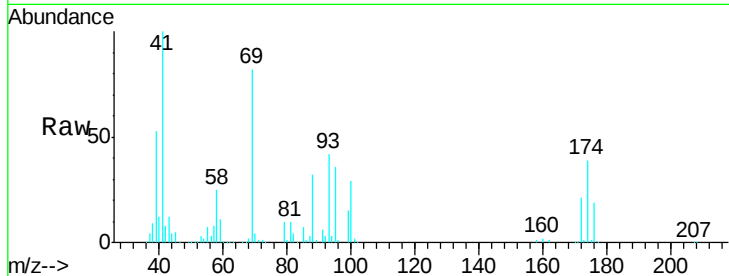
#49
1,4-Dioxane
Concen: 1048.524 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.2	39.2
58	73.9	59.1	88.7

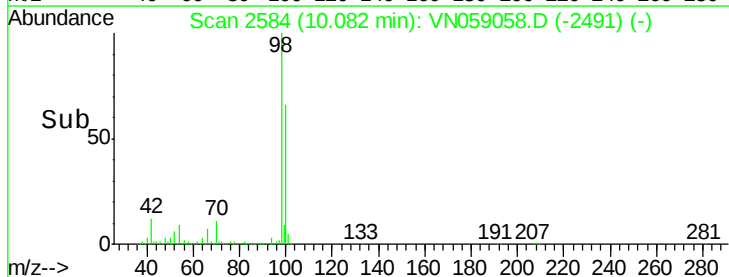
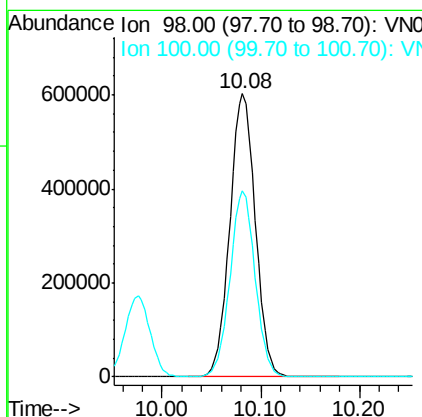
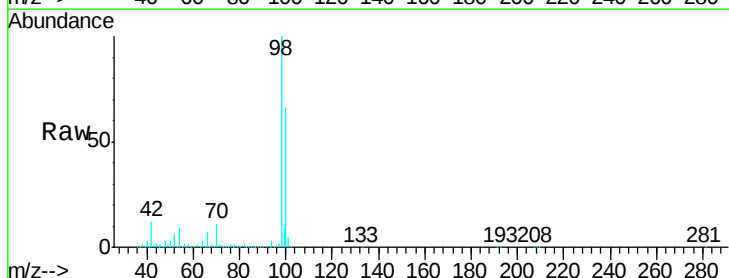
Manual Integrations
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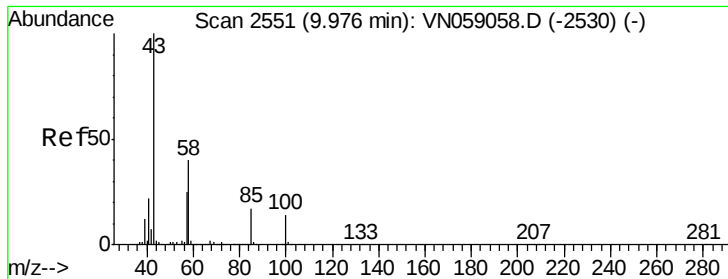
MMDadoda
11/5/2019 1:59:01 PM



#50
Toluene-d8
Concen: 50.777 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





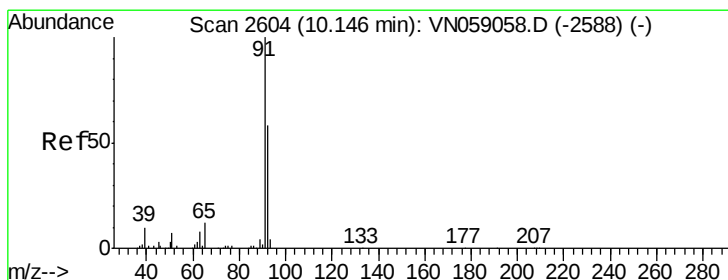
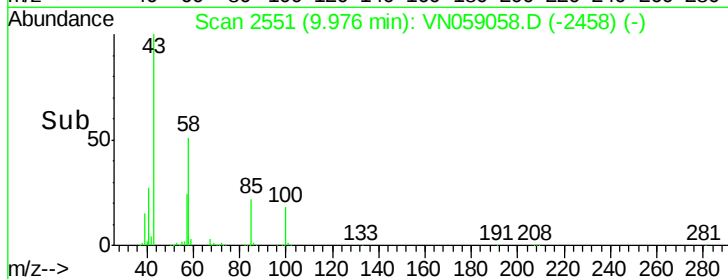
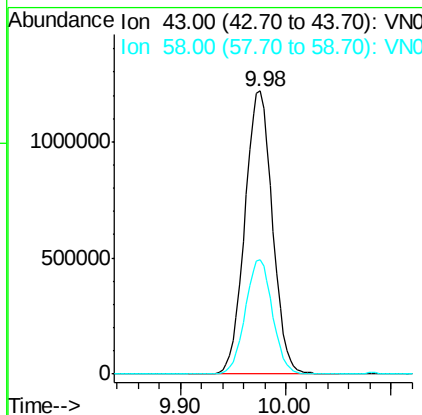
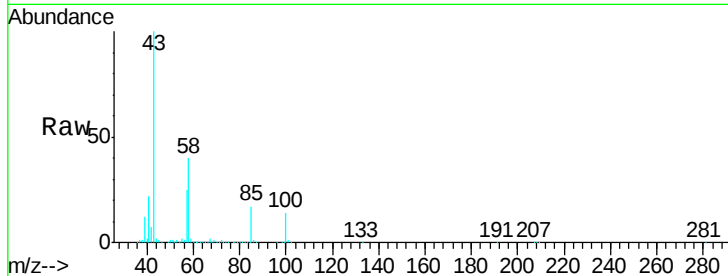
#51
 4-Methyl-2-Pentanone
 Concen: 257.799 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 43 Resp: 2221782
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.8 47.6

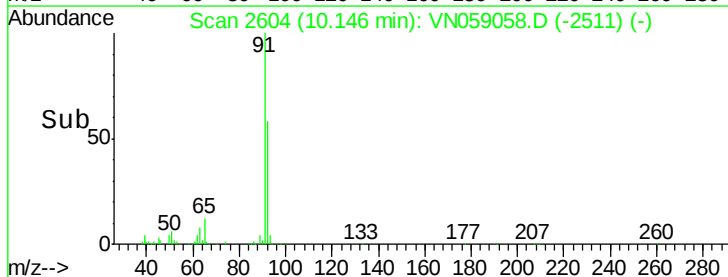
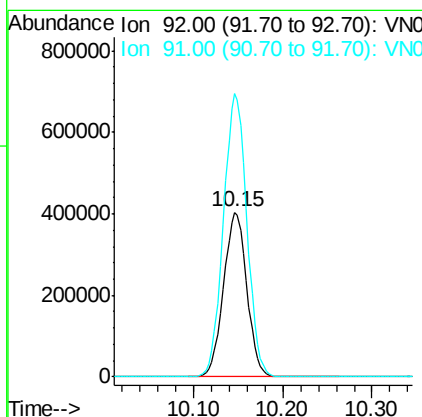
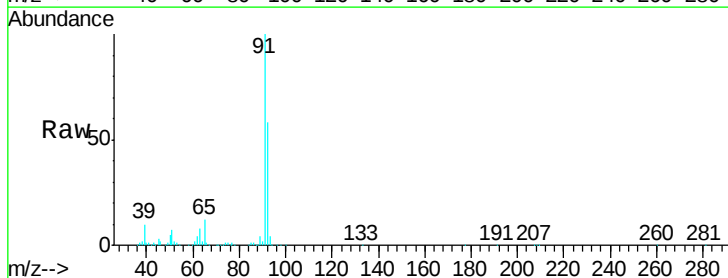
Manual Integrations
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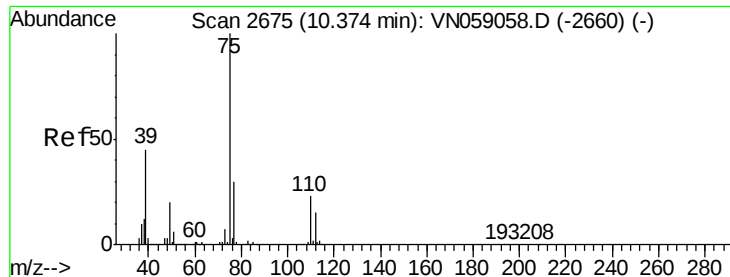
MMDadoda
 11/5/2019 1:59:01 PM



#52
 Toluene
 Concen: 49.328 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 92 Resp: 727550
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 48.260 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 75 Resp: 473728

Ion Ratio Lower Upper

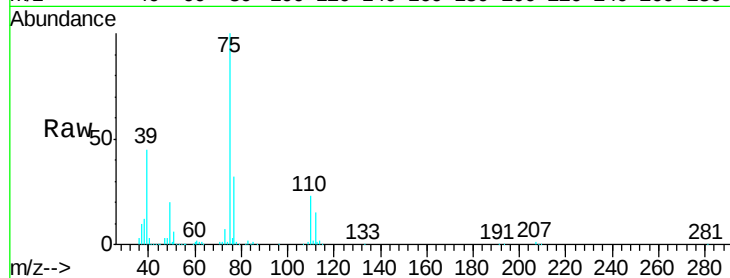
75 100

77 32.0 25.6 38.4

Manual Integrations
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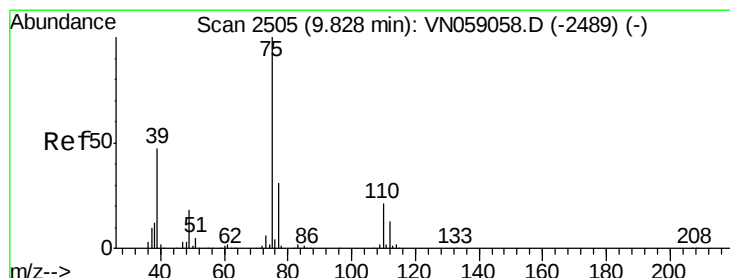
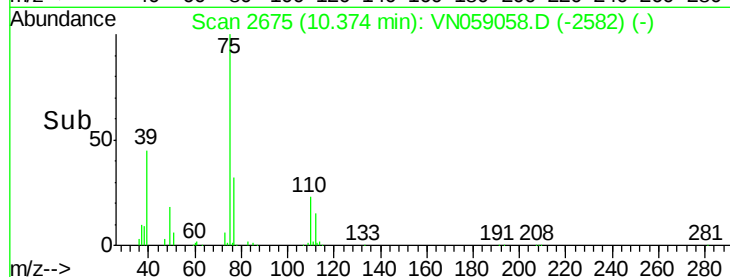
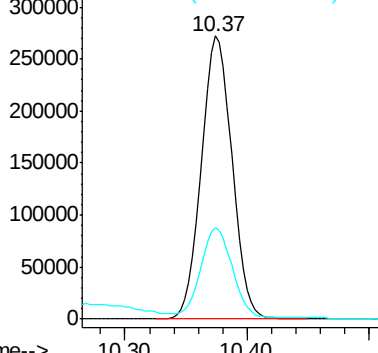
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.132 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

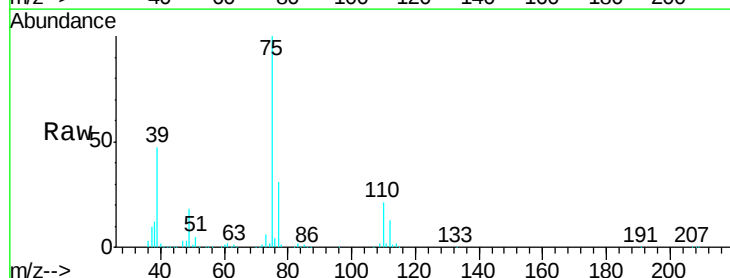
Tgt Ion: 75 Resp: 516579

Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

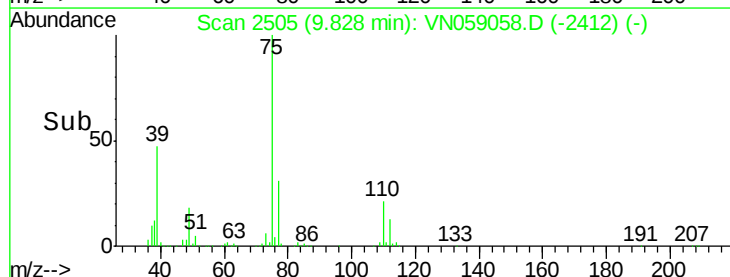
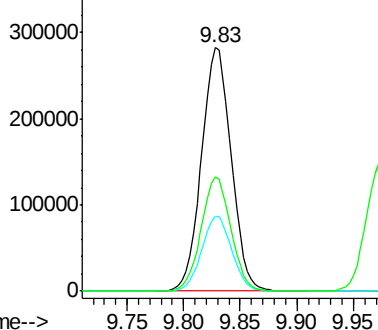
39 46.8 37.4 56.2

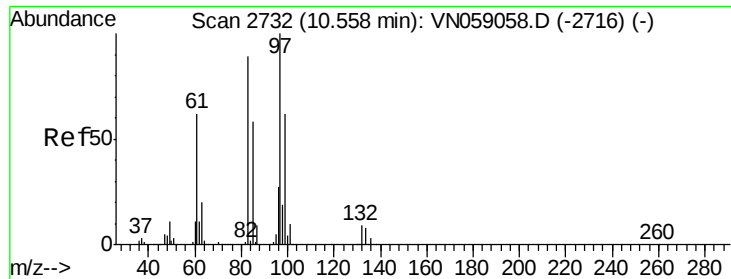


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





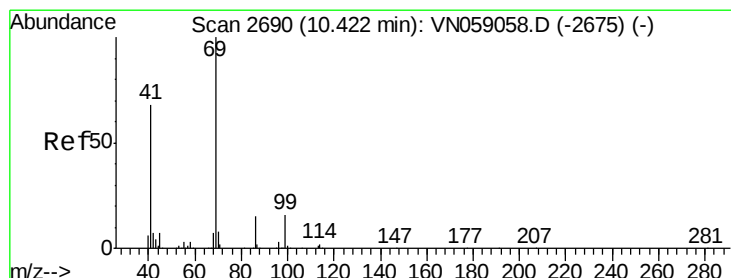
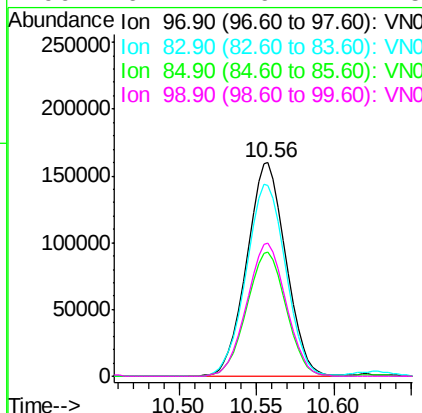
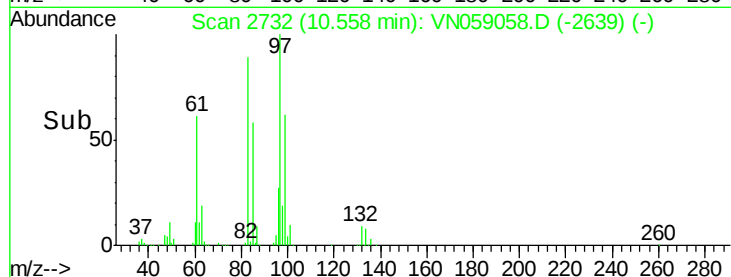
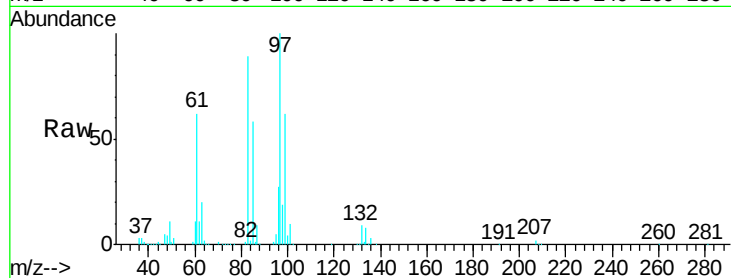
#55
 1,1,2-Trichloroethane
 Concen: 46.444 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.4	107.2
85	58.3	46.6	70.0
99	62.1	49.7	74.5

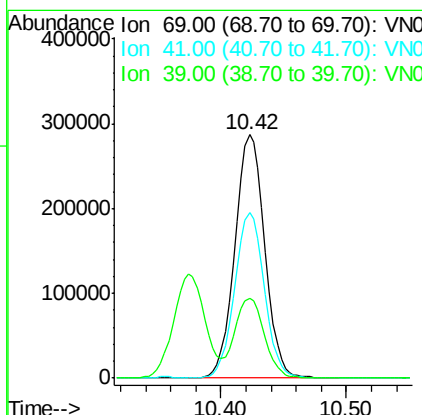
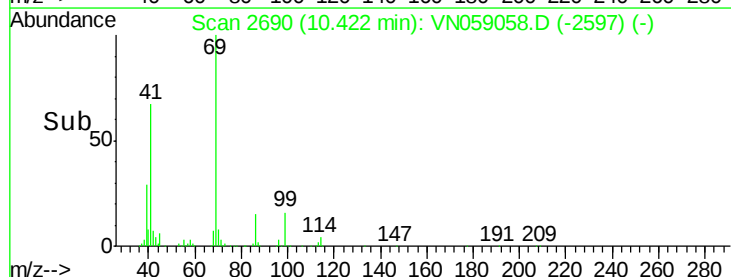
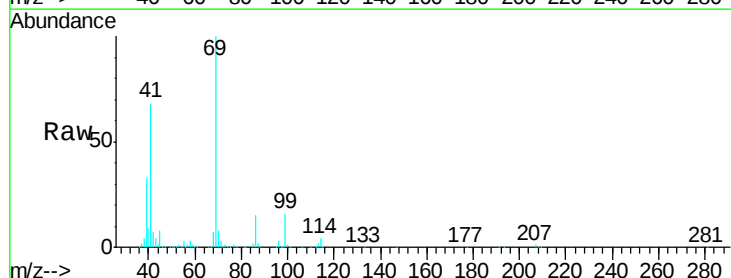
Manual Integrations
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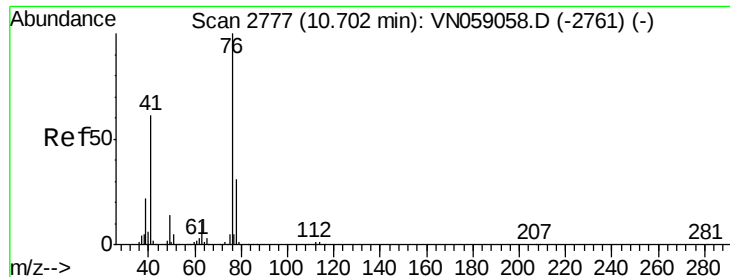
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#56
 Ethyl methacrylate
 Concen: 52.666 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	53.8	80.8
39	32.7	26.2	39.2





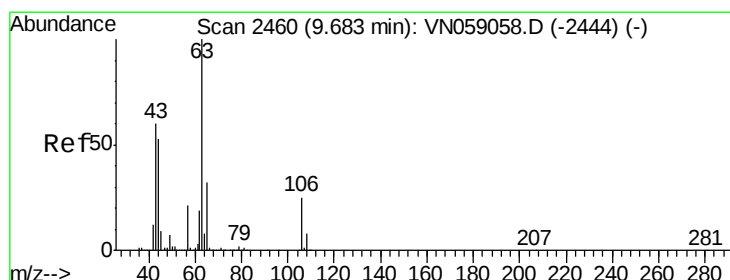
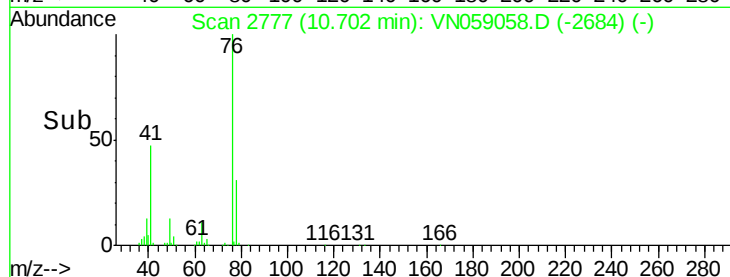
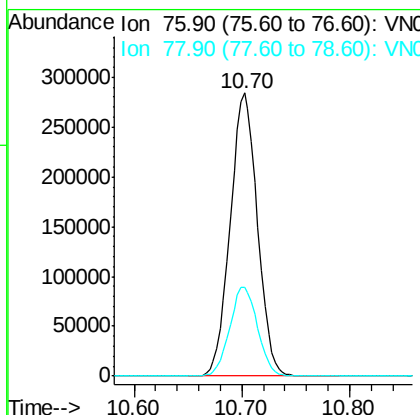
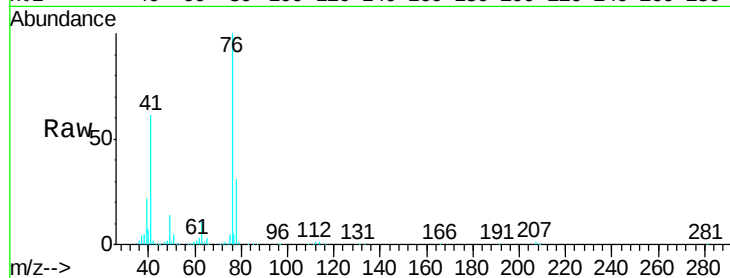
#57
 1,3-Dichloropropane
 Concen: 46.979 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 76 Resp: 499709
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

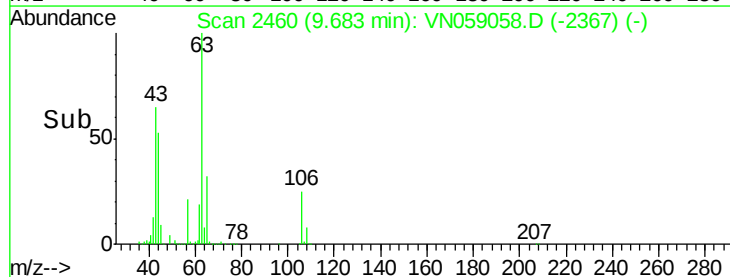
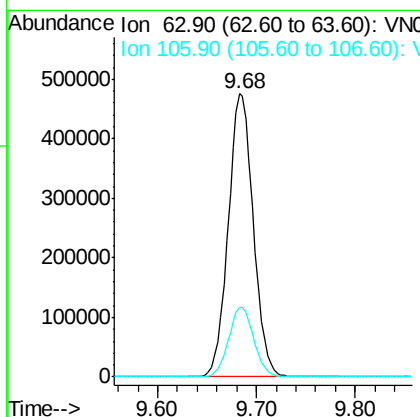
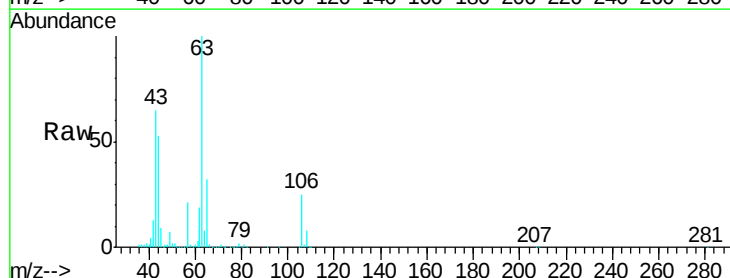
Manual Integrations
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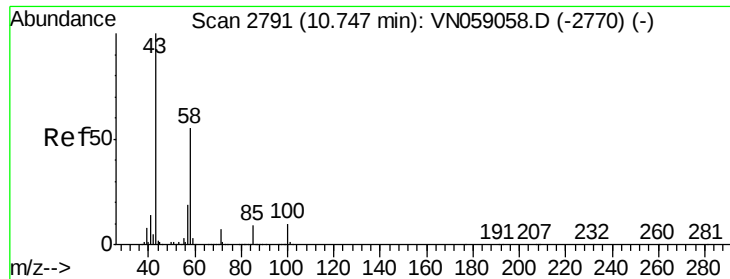
MMDadoda
 11/5/2019 1:59:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 223.311 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 63 Resp: 843609
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.8 29.6





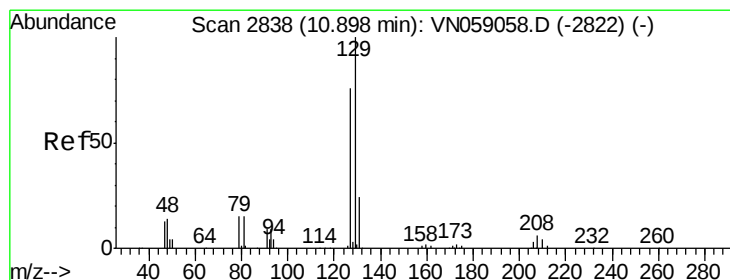
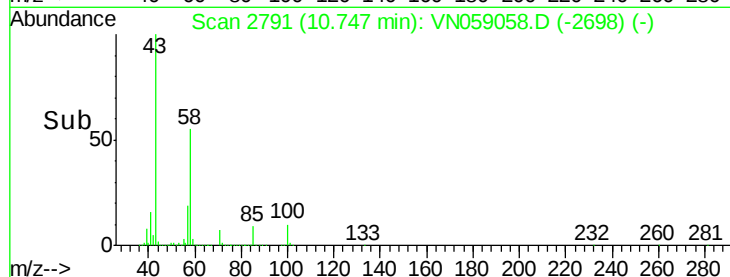
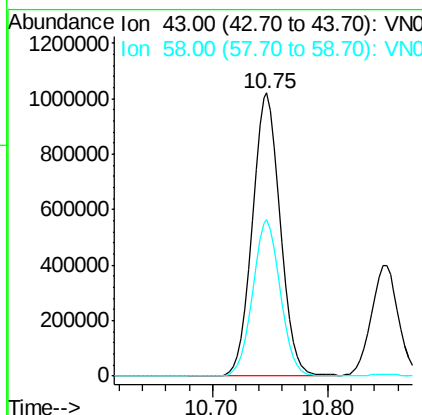
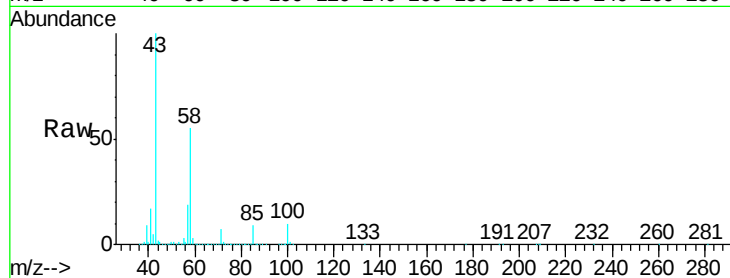
#59
2-Hexanone
Concen: 257.892 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 1714438
Ion Ratio Lower Upper
43 100
58 54.8 27.4 82.2

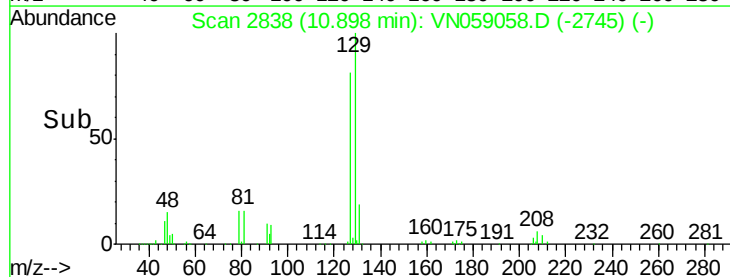
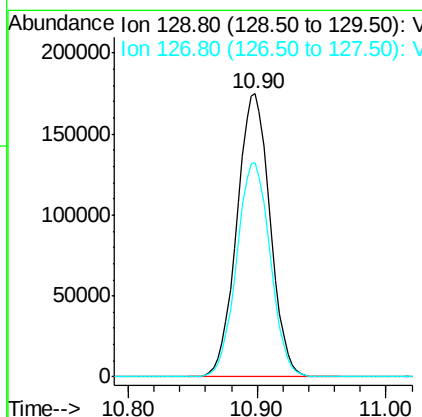
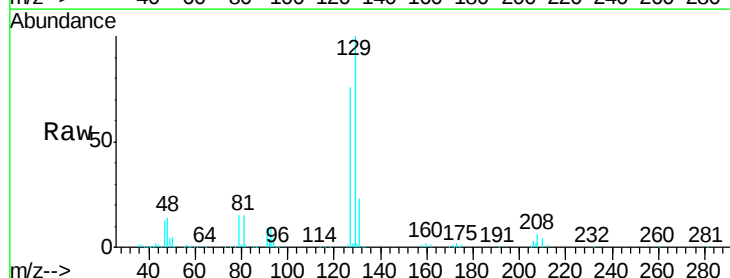
Manual Integrations
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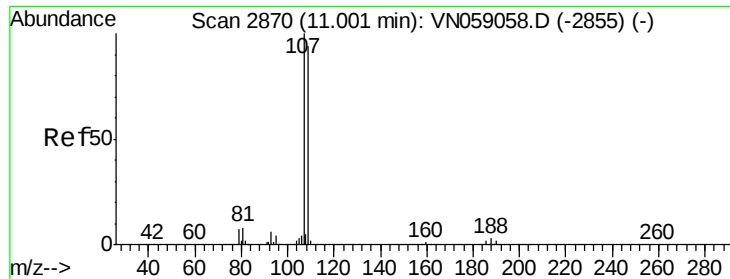
MMDadoda
11/5/2019 1:59:01 PM



#60
Dibromochloromethane
Concen: 47.914 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 129 Resp: 313417
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.8





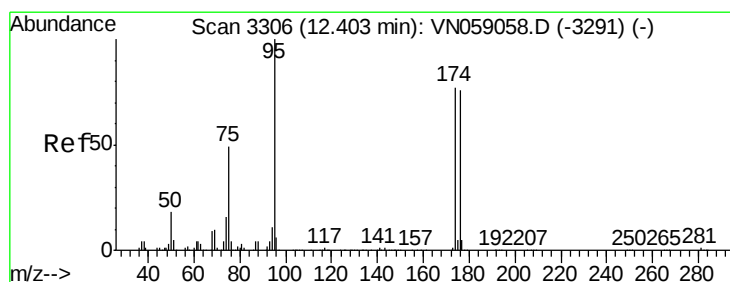
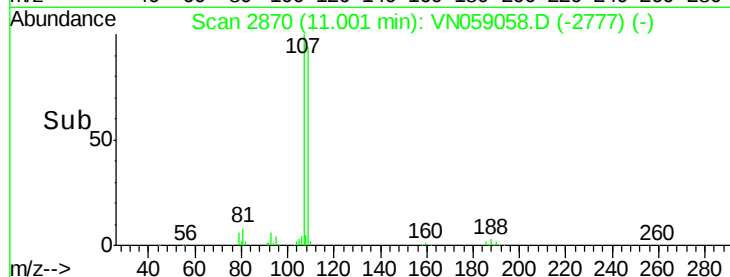
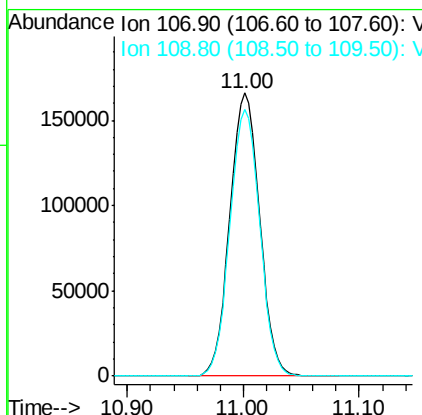
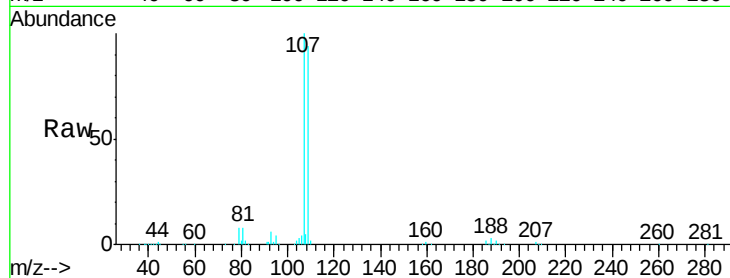
#61
 1,2-Dibromoethane
 Concen: 47.699 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	296413		
109	94.4	75.5	113.3	

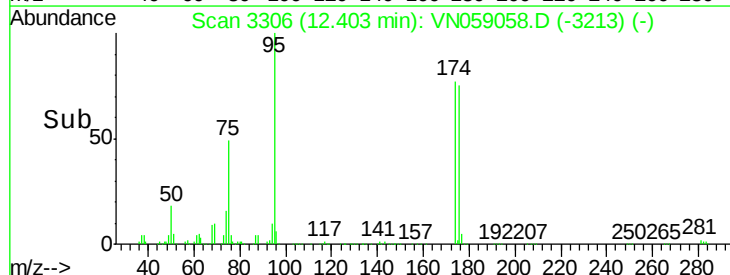
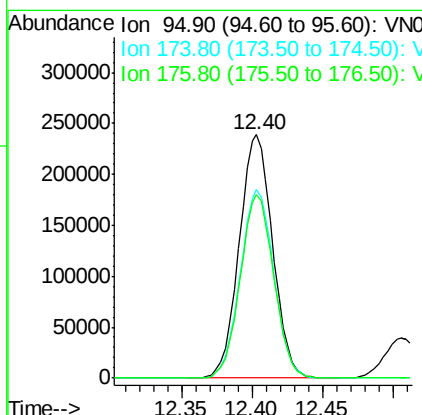
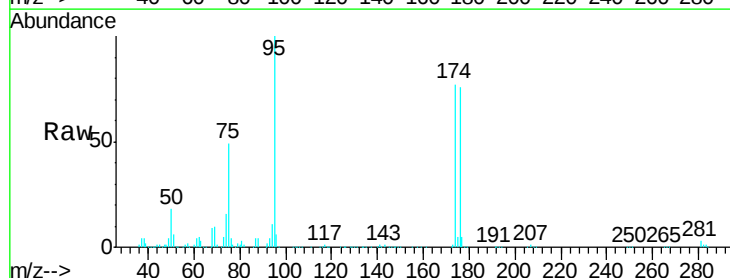
Manual Integrations
 APPROVED

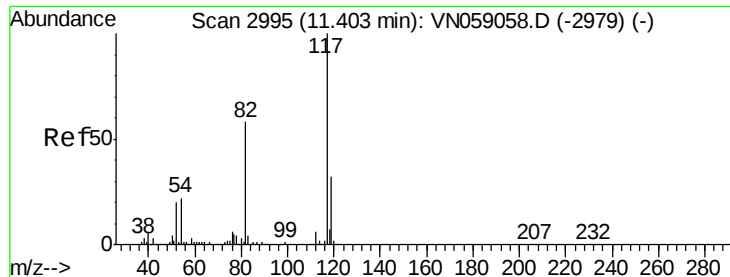
MMDadoda
 11/5/2019 1:59:01 PM



#62
 4-Bromofluorobenzene
 Concen: 50.373 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	395778		
174	77.9	0.0	155.8	
176	75.8	0.0	151.6	





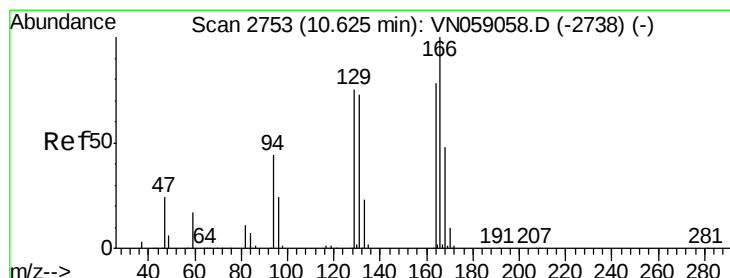
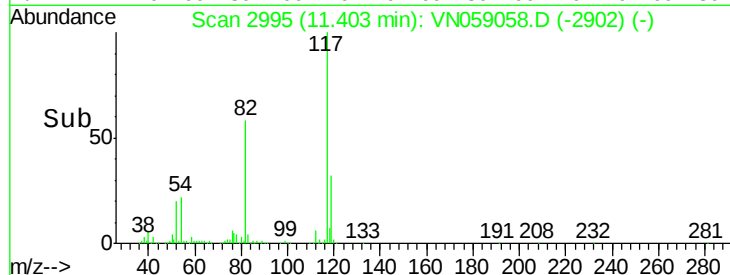
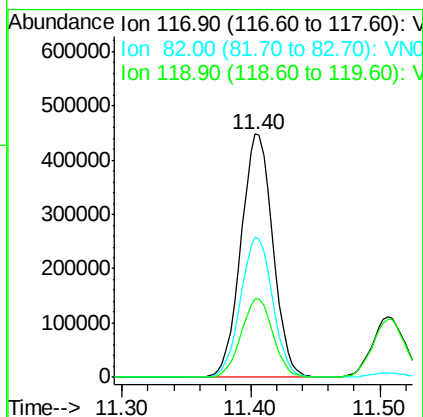
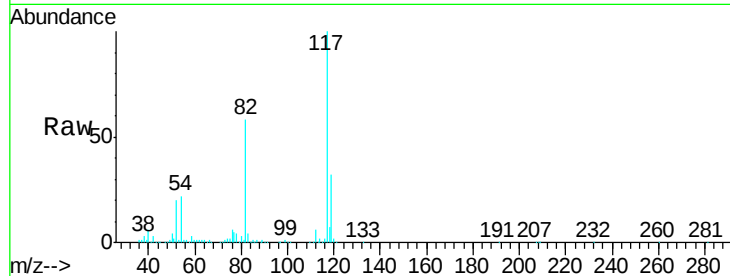
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	771710		
82	57.5	46.0	69.0	
119	32.0	25.6	38.4	

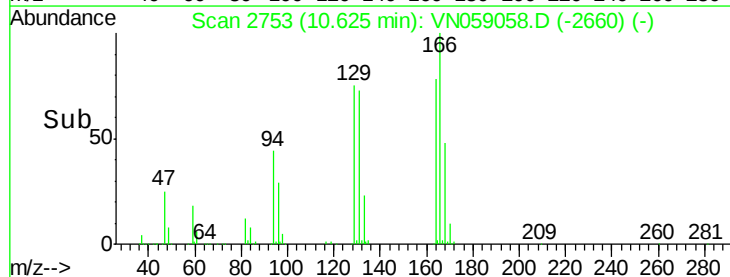
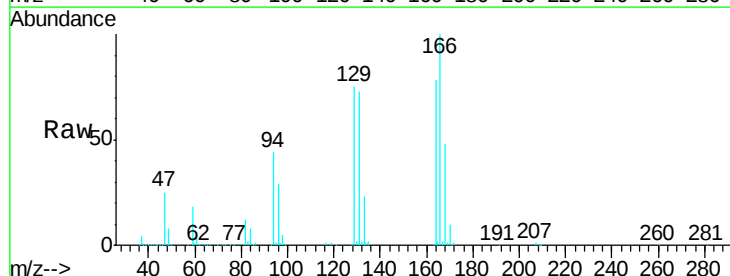
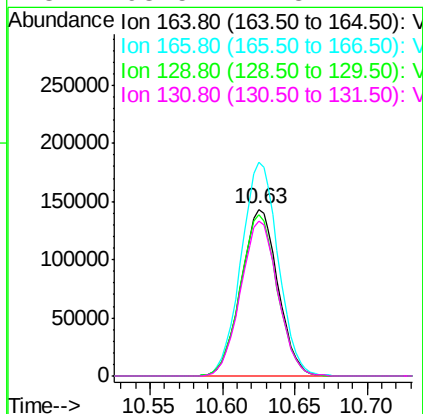
Manual Integrations
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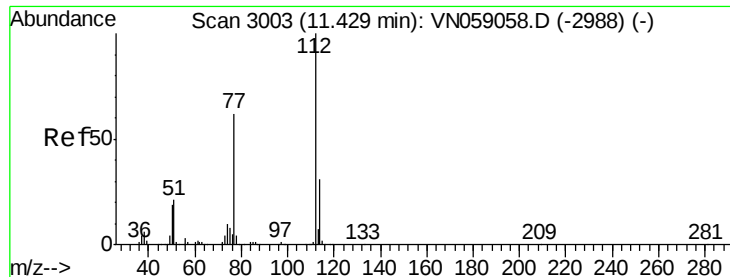
MMDadoda
11/5/2019 1:59:01 PM



#64
Tetrachloroethene
Concen: 47.534 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	254047		
166	128.4	102.7	154.1	
129	96.6	77.3	115.9	
131	93.5	74.8	112.2	





#65

Chlorobenzene

Concen: 48.703 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:112 Resp: 757634

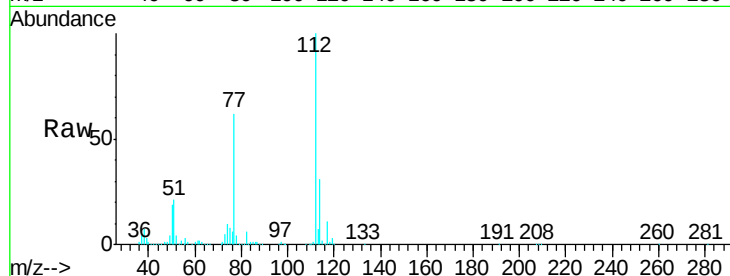
Ion Ratio Lower Upper

112 100

114 31.3 25.0 37.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

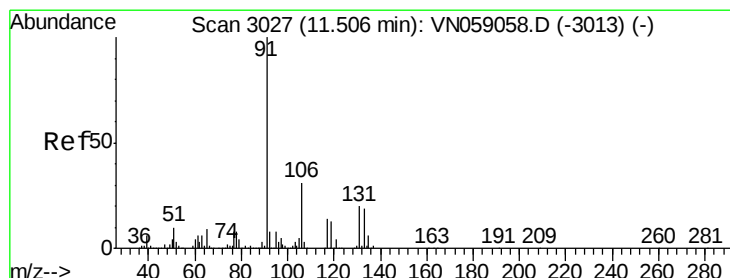
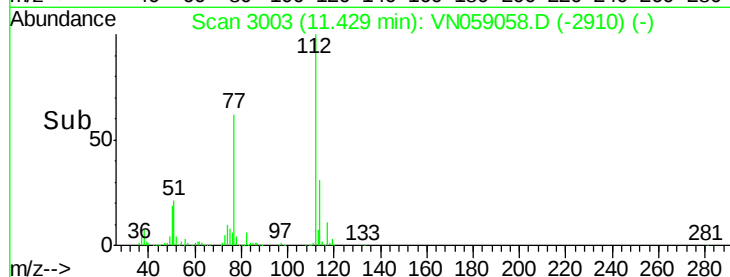
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 48.088 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

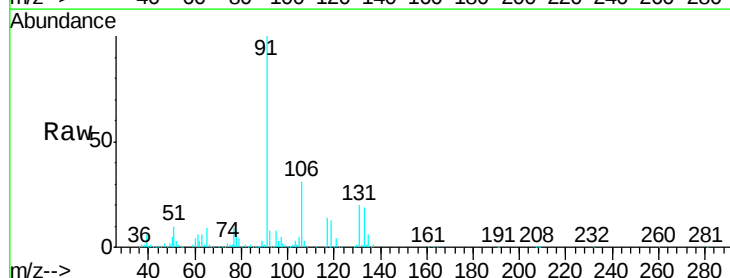
Tgt Ion:131 Resp: 281785

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.6

119 67.0 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

200000

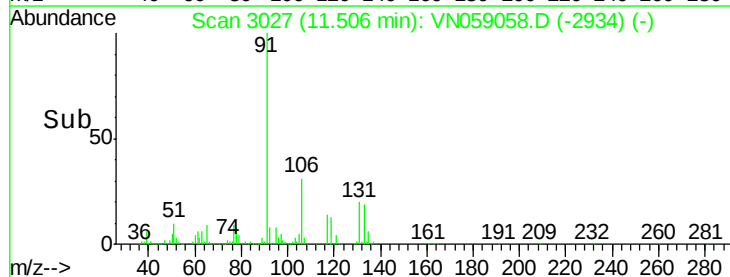
150000

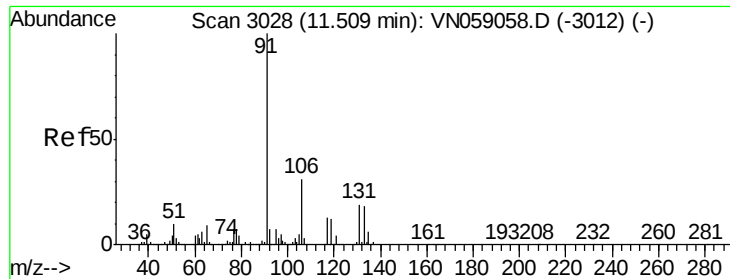
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 51.644 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 1405729

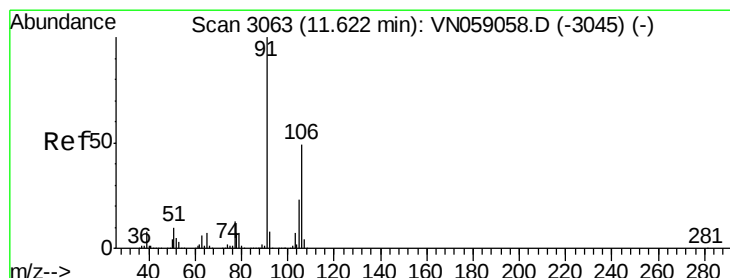
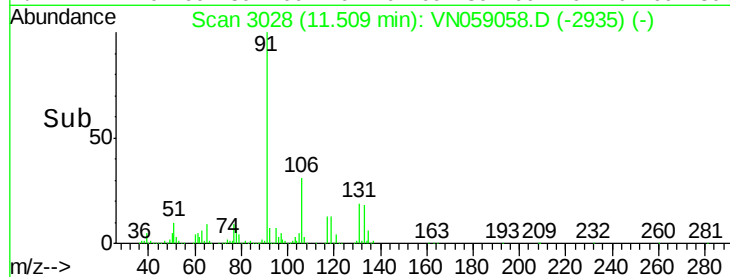
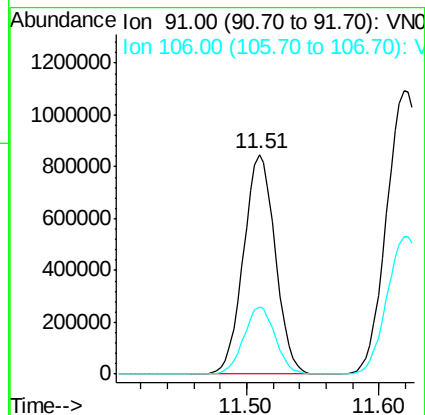
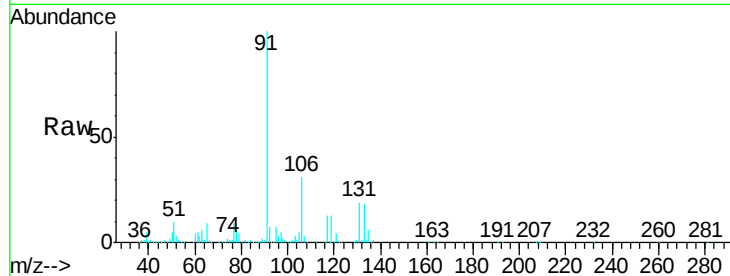
Ion Ratio Lower Upper

91 100

106 30.7 24.6 36.8

Manual Integrations
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11/5/2019 1:59:01 PM



#68

m/p-Xylenes

Concen: 102.838 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059058.D

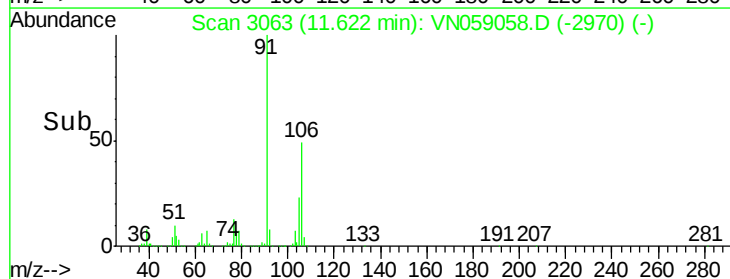
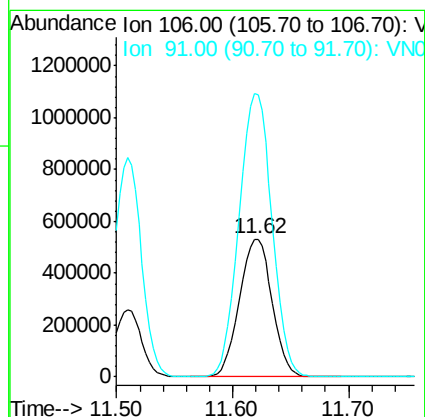
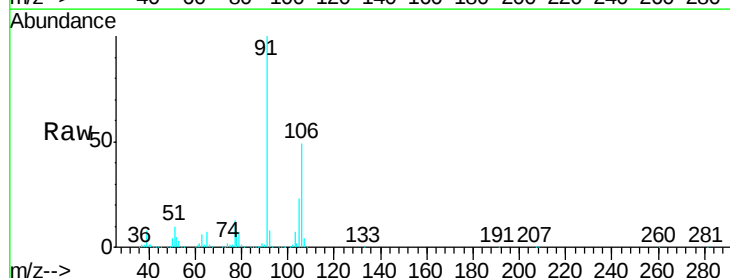
Acq: 1 Nov 2019 12:59

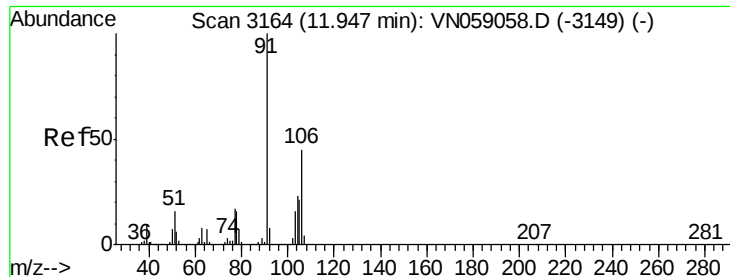
Tgt Ion: 106 Resp: 1036652

Ion Ratio Lower Upper

106 100

91 207.1 165.7 248.5





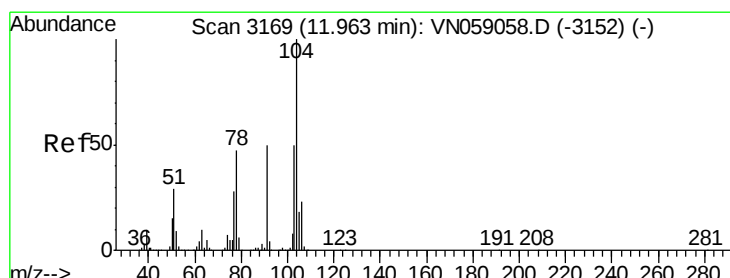
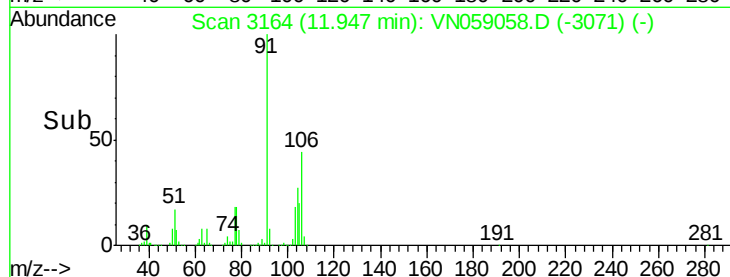
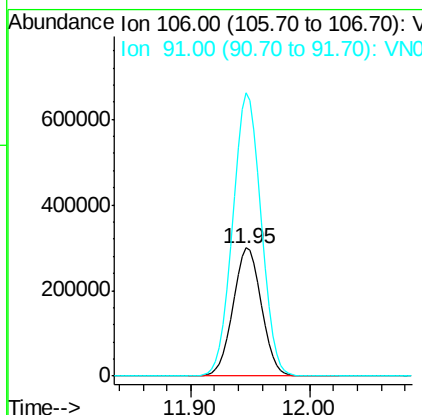
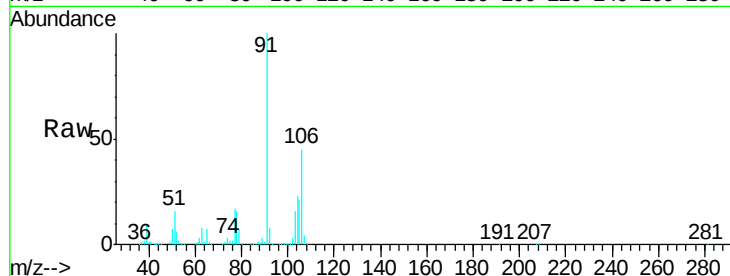
#69
o-Xylene
Concen: 51.312 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion:106 Resp: 494652
Ion Ratio Lower Upper
106 100
91 220.8 110.4 331.2

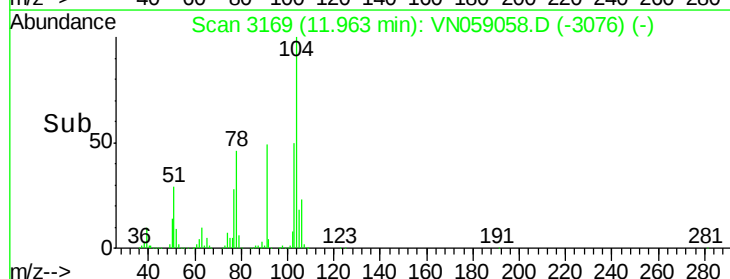
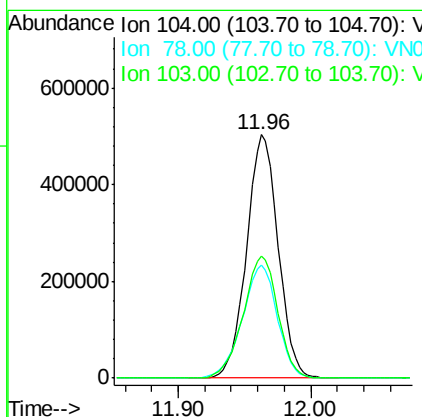
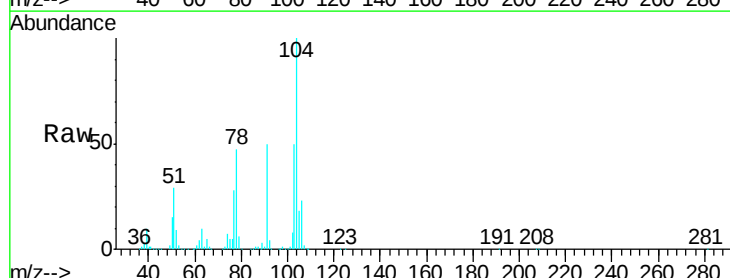
Manual Integrations
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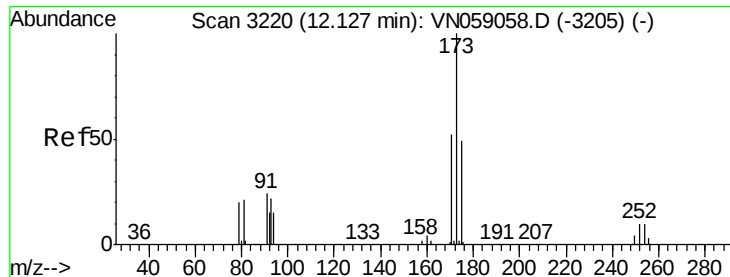
MMDadoda
11/5/2019 1:59:01 PM



#70
Styrene
Concen: 52.989 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion:104 Resp: 832997
Ion Ratio Lower Upper
104 100
78 51.5 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 49.800 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

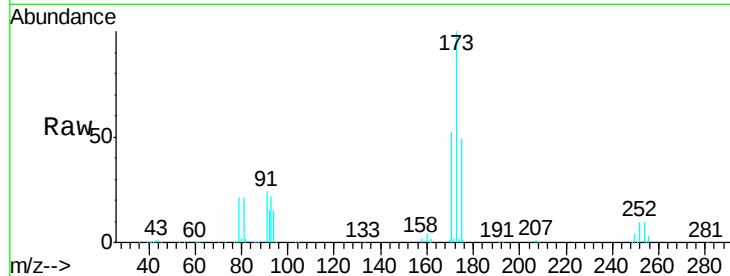
ClientSampleId :

VSTDIC050

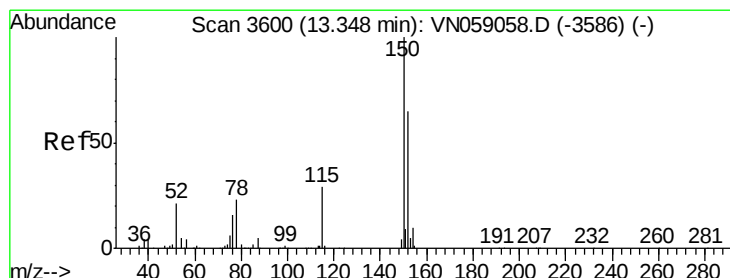
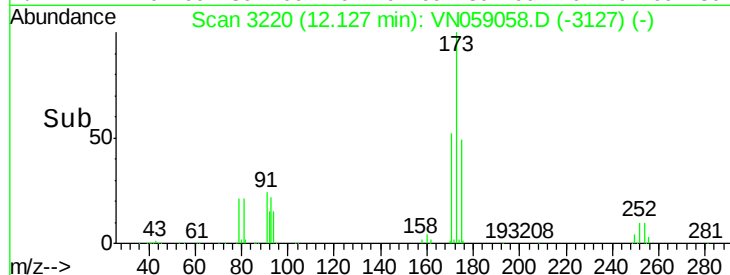
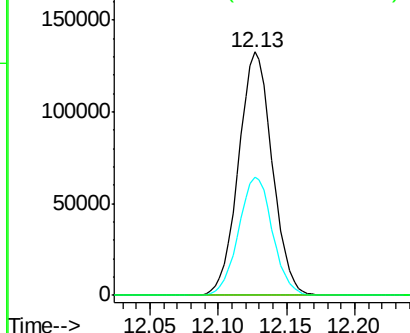
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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11/5/2019 1:59:01 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

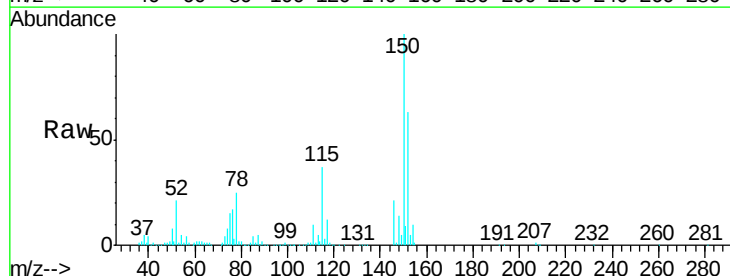
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

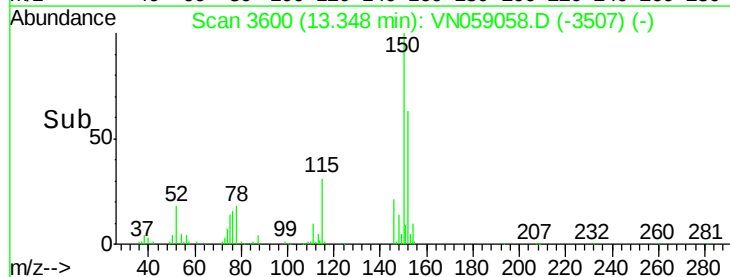
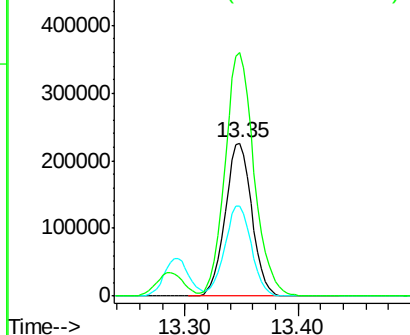
Lab File: VN059058.D

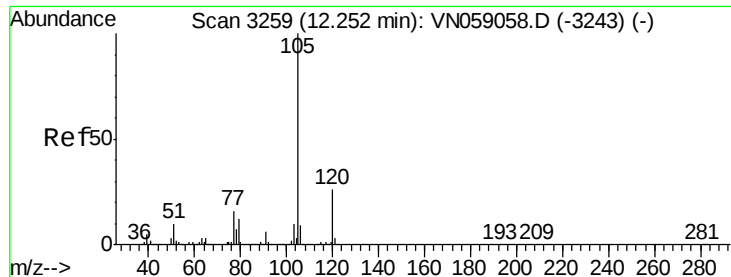
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.6	88.9
150	172.9	0.0	345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.222 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 105 Resp: 1342520

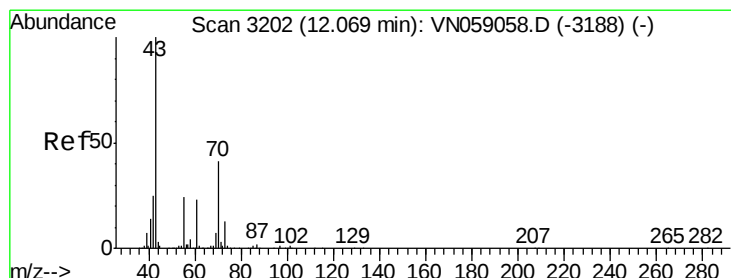
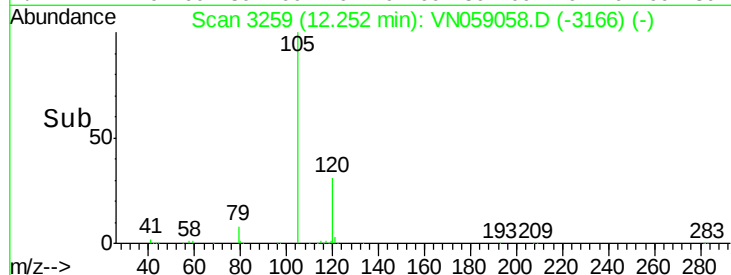
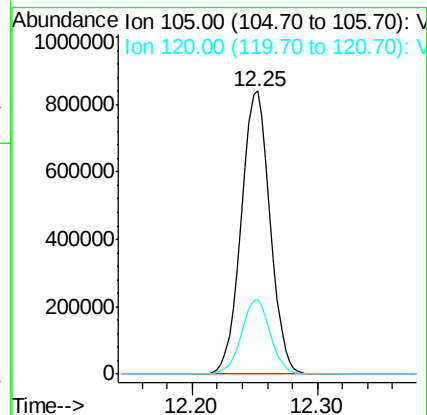
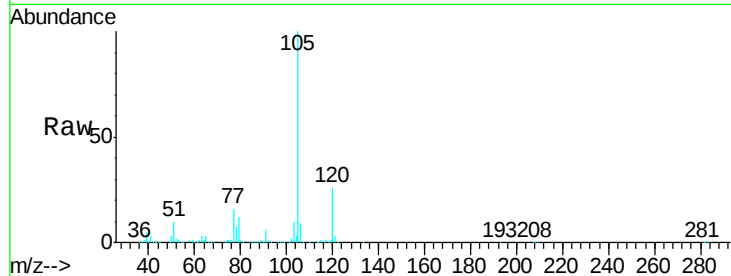
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 51.255 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion: 43 Resp: 617207

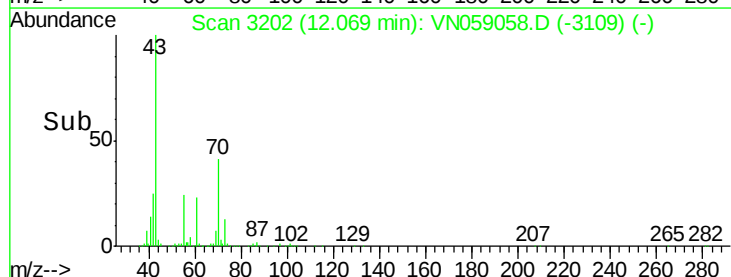
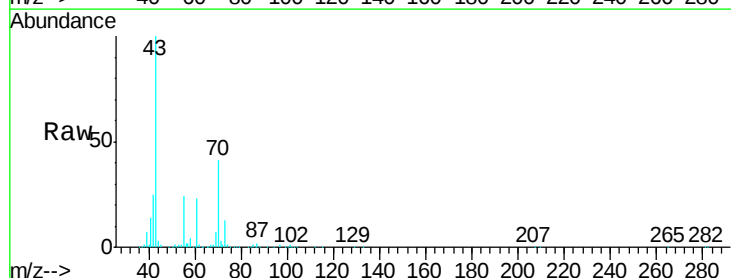
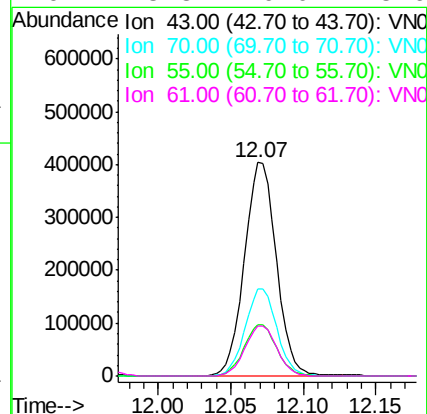
Ion Ratio Lower Upper

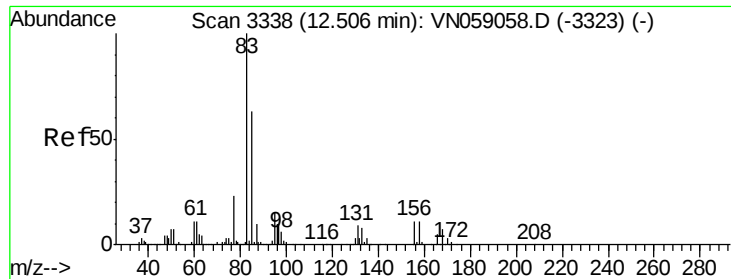
43 100

70 40.8 32.6 49.0

55 24.6 19.7 29.5

61 23.8 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.348 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 444933

Ion Ratio Lower Upper

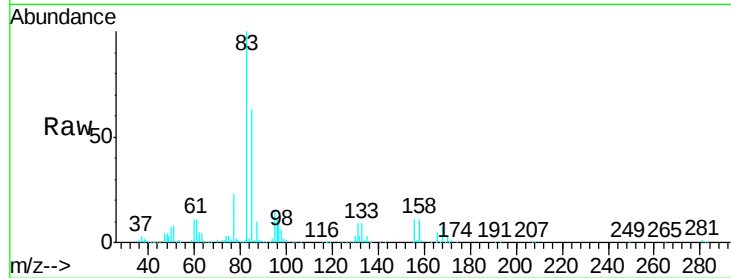
83 100

131 9.8 4.9 14.7

85 63.9 31.9 95.9

Manual Integrations
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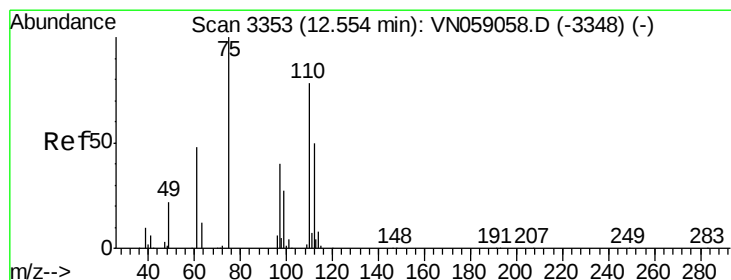
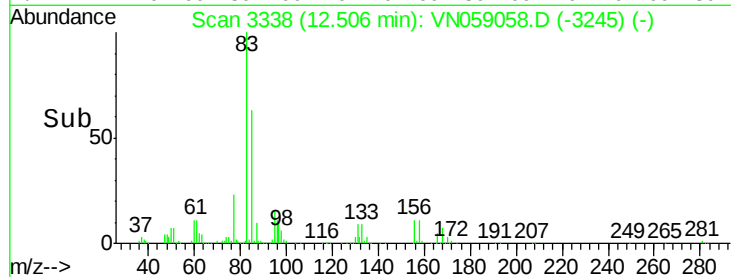
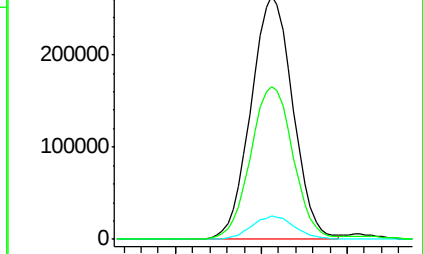
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN059058.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN059058.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN059058.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 48.173 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059058.D

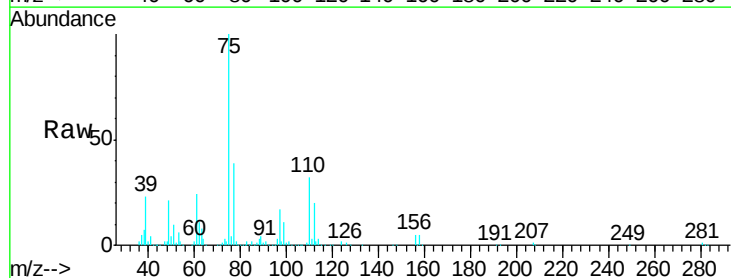
Acq: 1 Nov 2019 12:59

Tgt Ion: 75 Resp: 412192

Ion Ratio Lower Upper

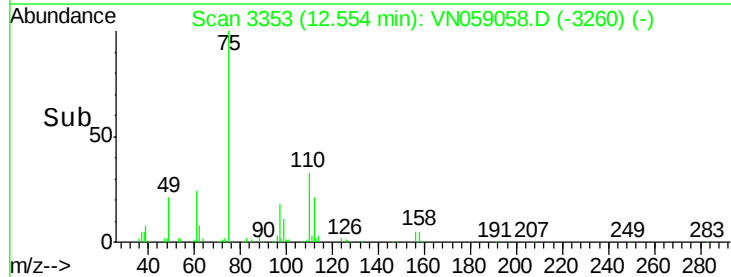
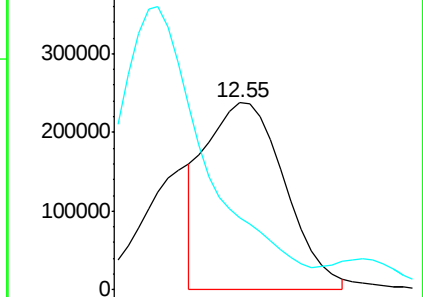
75 100

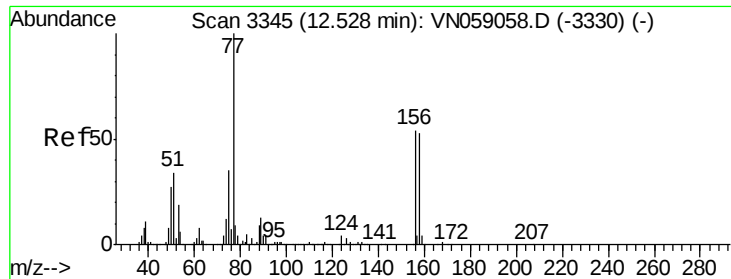
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059058.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN059058.D (-3353) (-)





#77

Bromobenzene

Concen: 48.303 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

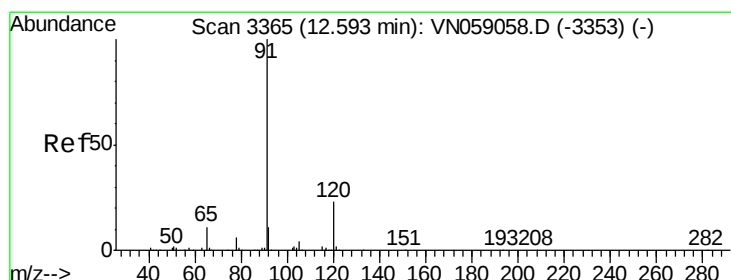
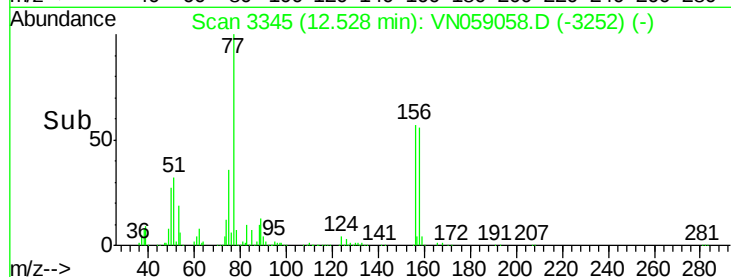
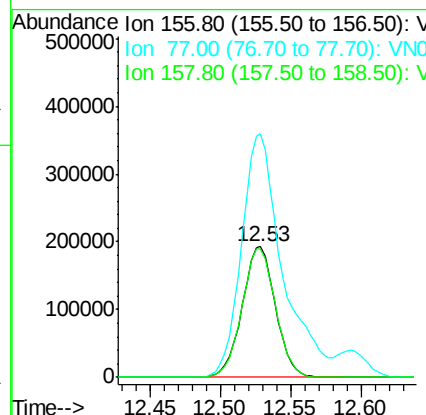
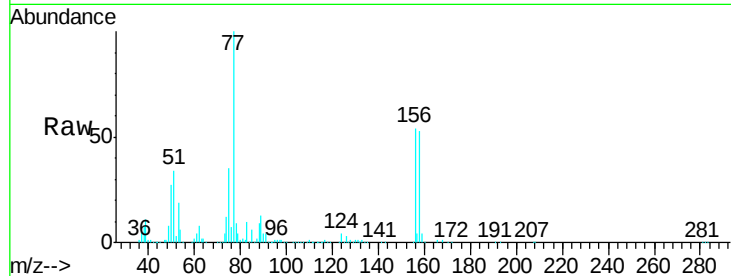
ClientSampleId :

VSTDIC050

Tgt Ion:	156	Resp:	318737
Ion Ratio	Lower	Upper	
156	100		
77	228.4	114.2	342.6
158	99.3	49.6	149.0

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#78

n-propylbenzene

Concen: 50.830 ug/l

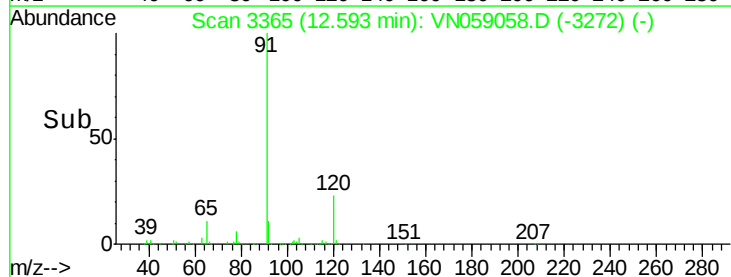
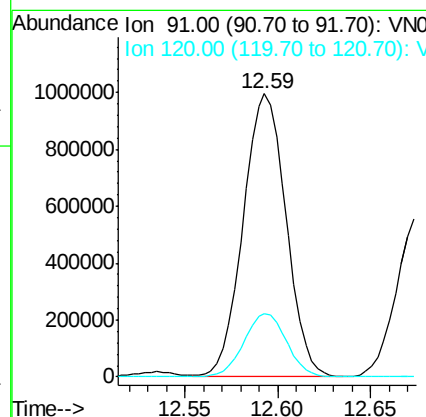
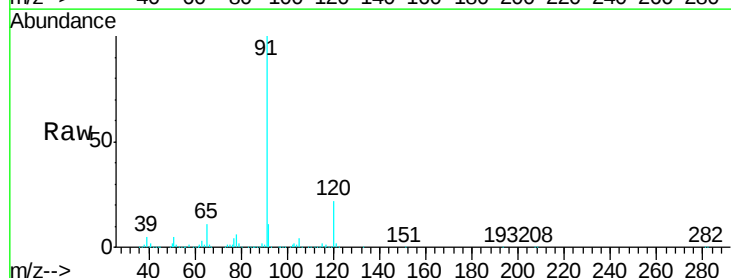
RT: 12.59 min Scan# 3365

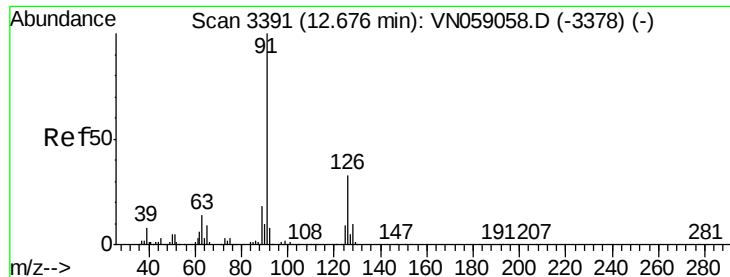
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	91	Resp:	1604211
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.2	33.5





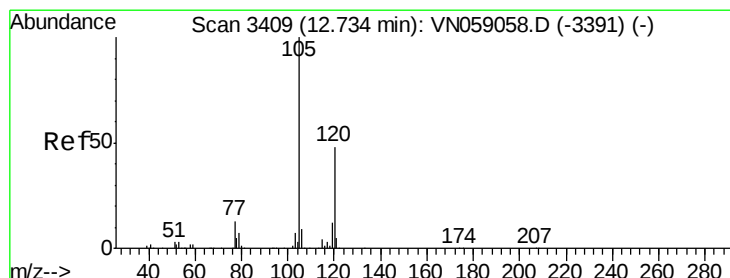
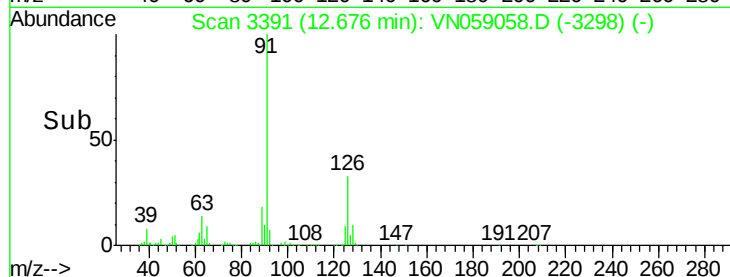
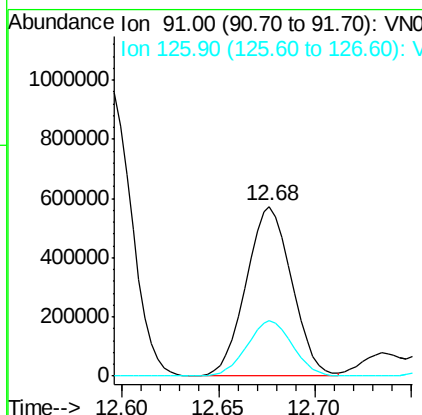
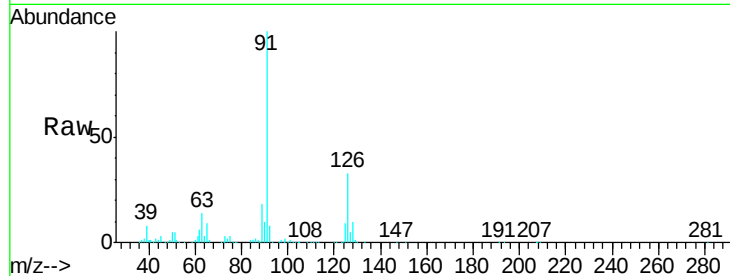
#79
 2-Chlorotoluene
 Concen: 48.704 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion: 91 Resp: 942161
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.3 48.8

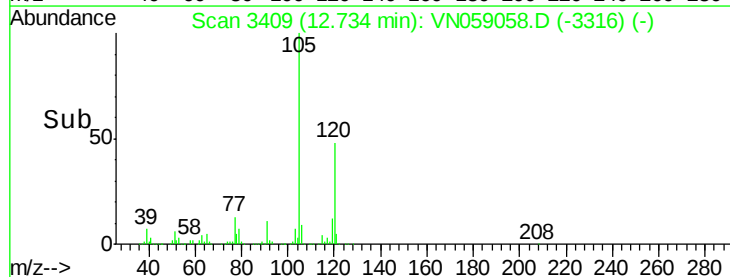
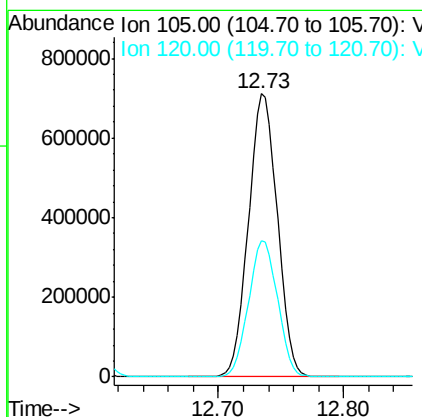
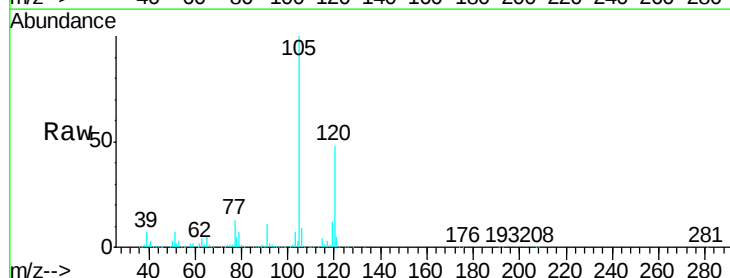
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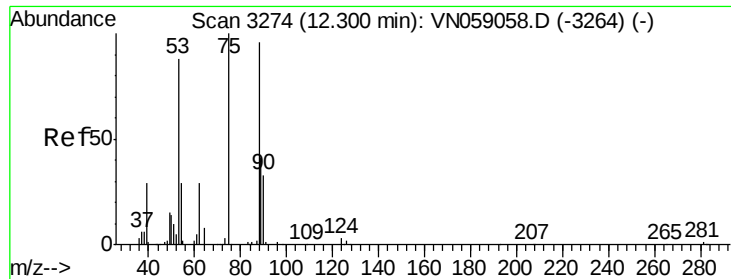
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.972 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion: 105 Resp: 1140953
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.429 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

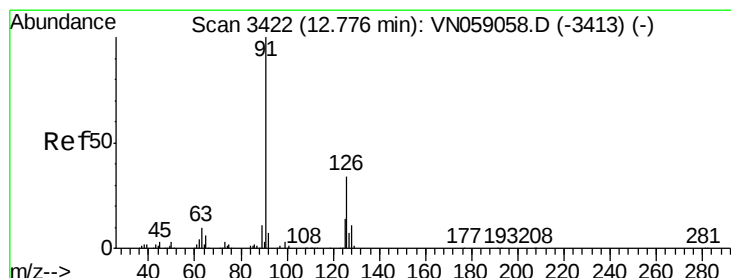
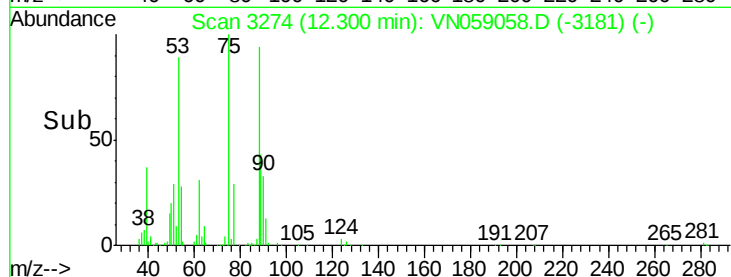
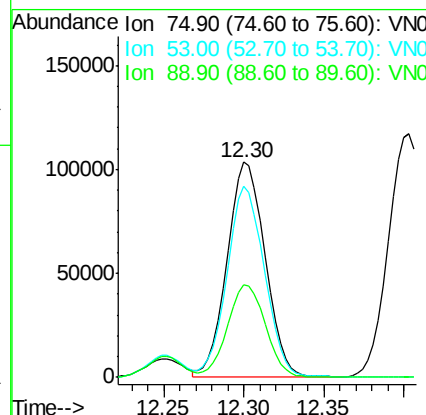
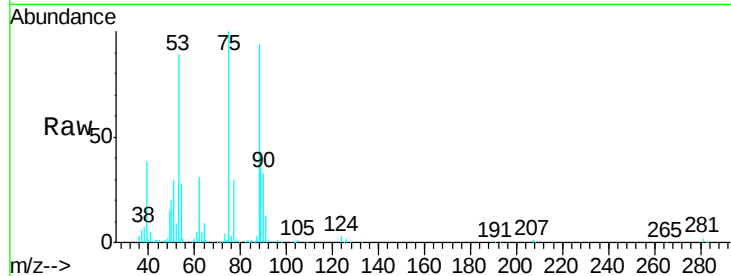
ClientSampleId :

VSTDIC050

Tgt Ion:	75	Resp:	168585
Ion Ratio	Lower	Upper	
75	100		
53	88.0	70.4	105.6
89	42.7	34.2	51.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.167 ug/l

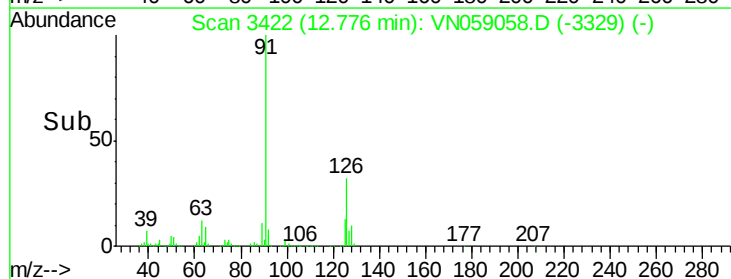
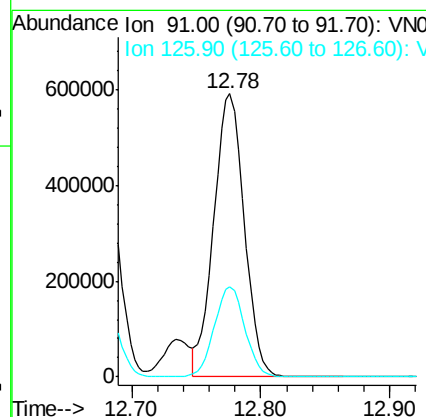
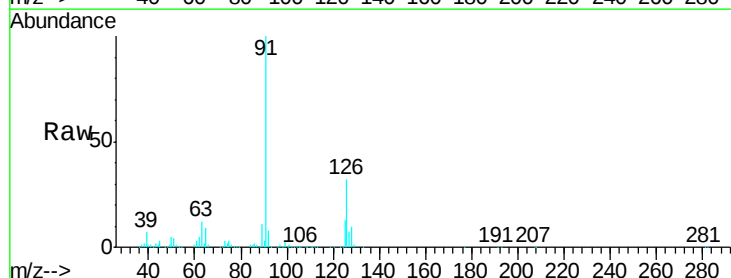
RT: 12.78 min Scan# 3422

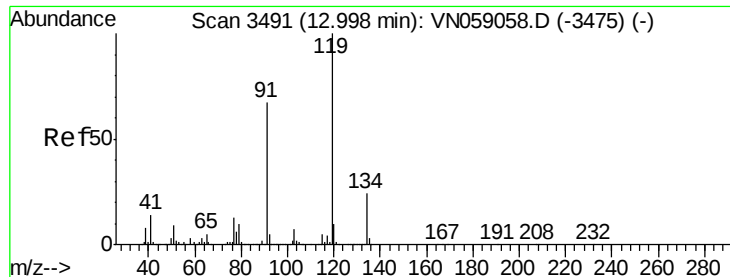
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	91	Resp:	969155
Ion Ratio	Lower	Upper	
91	100		
126	31.9	16.0	47.9





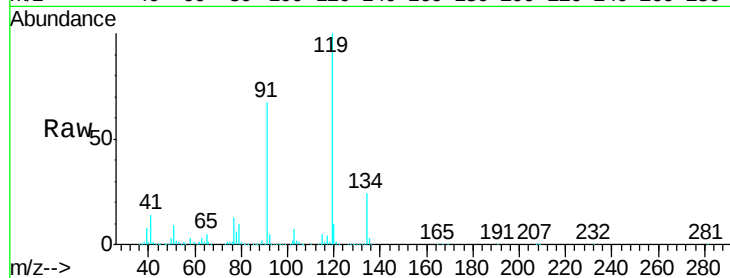
#83
 tert-Butylbenzene
 Concen: 49.909 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

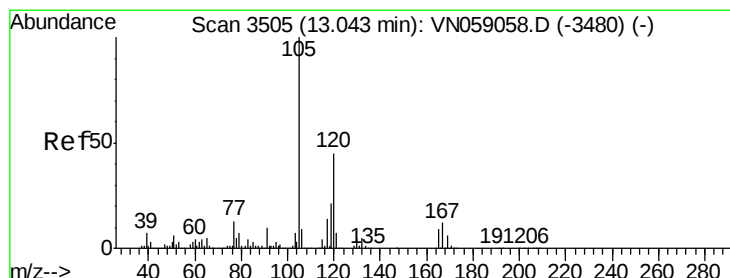
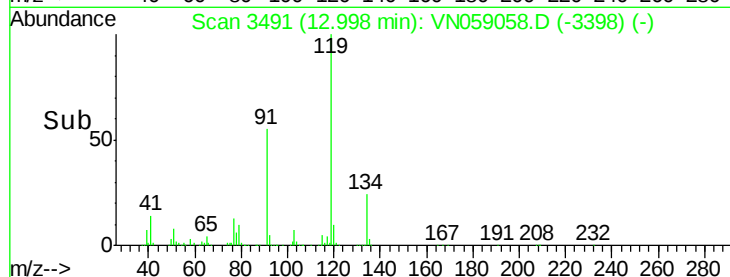
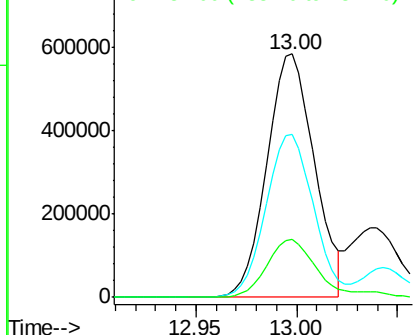
Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.7	101.0
134	25.8	12.9	38.7

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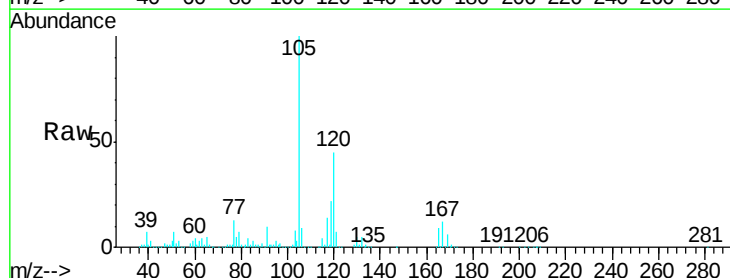


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

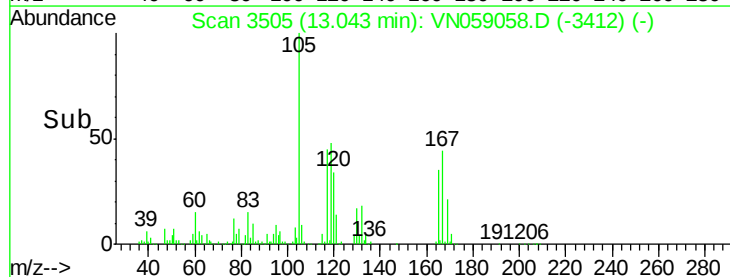
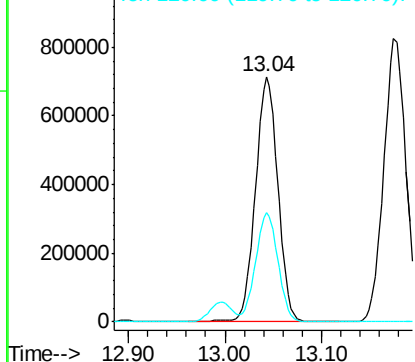


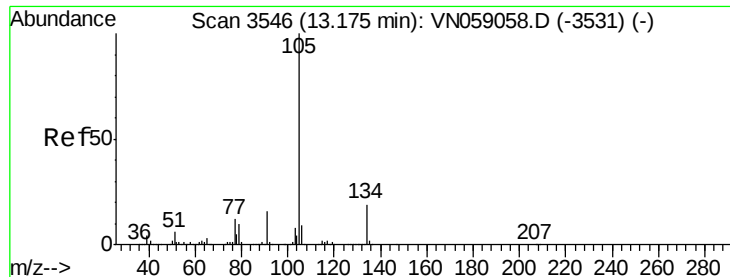
#84
 1,2,4-Trimethylbenzene
 Concen: 52.056 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





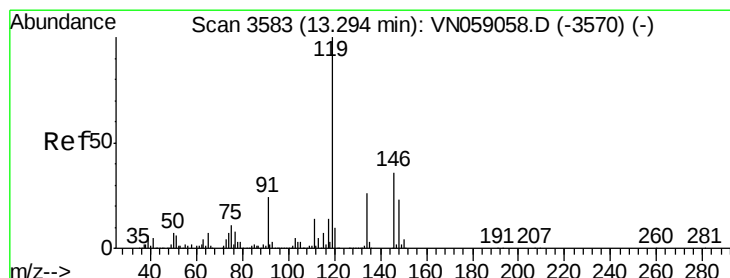
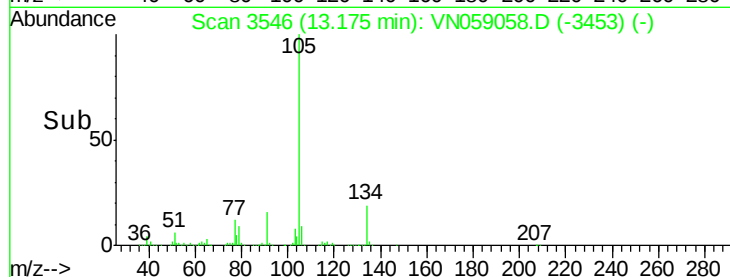
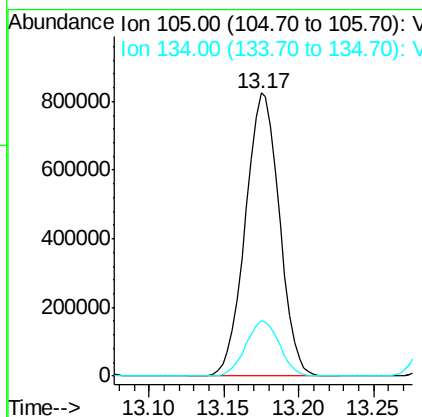
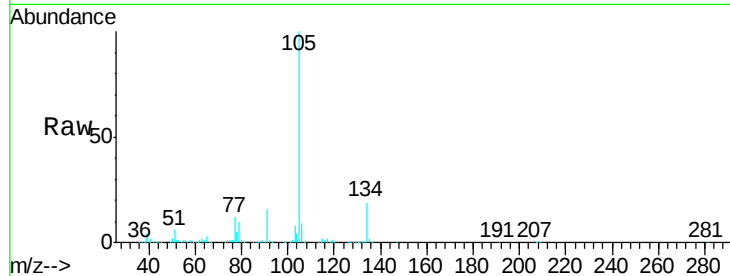
#85
 sec-Butylbenzene
 Concen: 51.085 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 1302663
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4

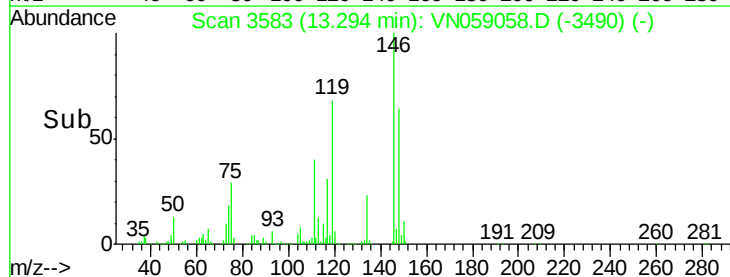
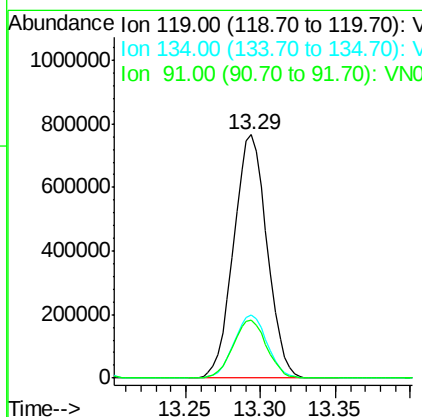
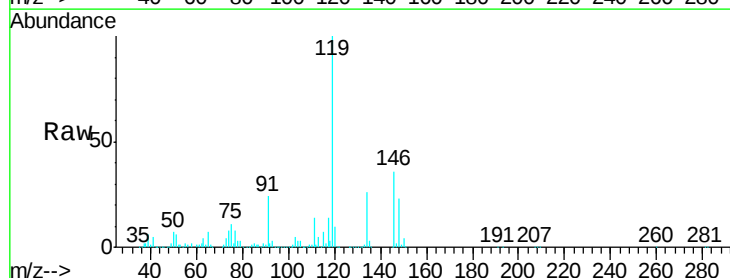
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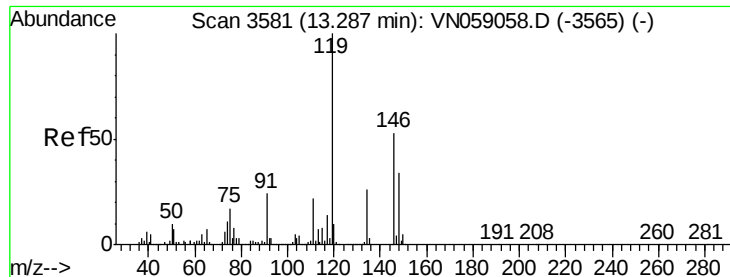
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#86
 p-Isopropyltoluene
 Concen: 52.635 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion:119 Resp: 1186122
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.0 39.0
 91 24.0 12.0 36.0





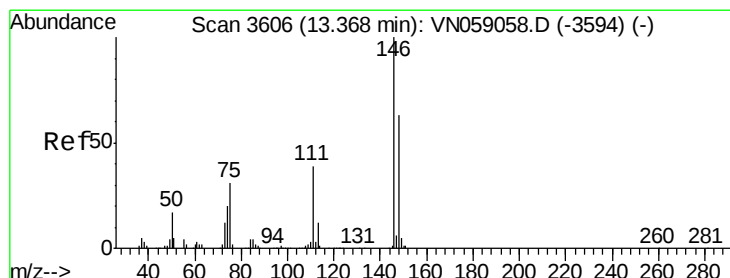
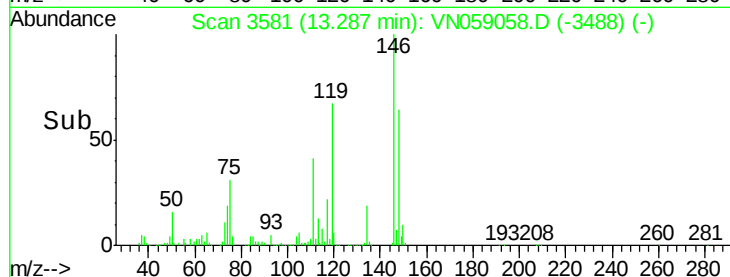
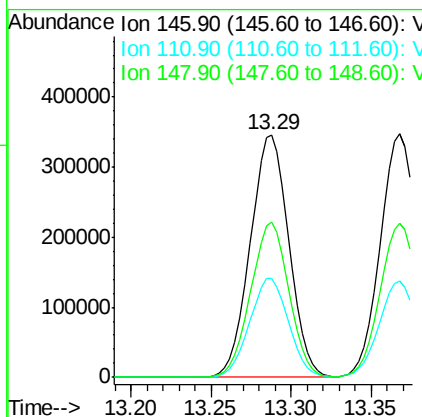
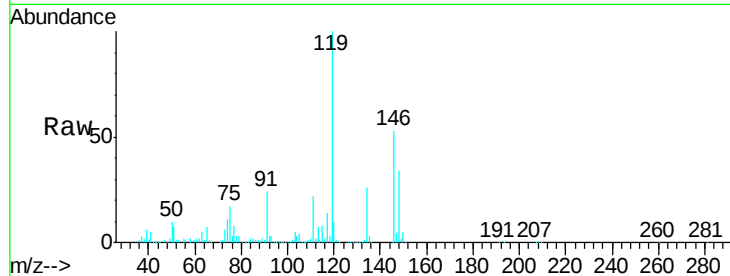
#87
 1,3-Dichlorobenzene
 Concen: 48.671 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.5	31.8	95.3

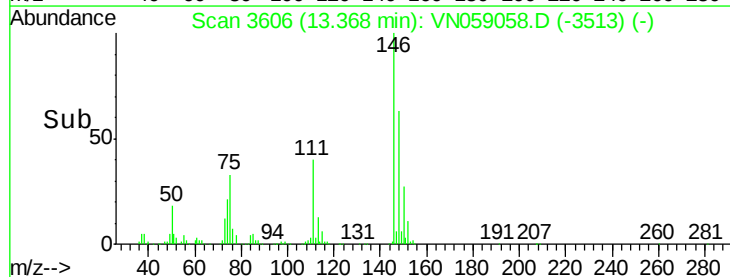
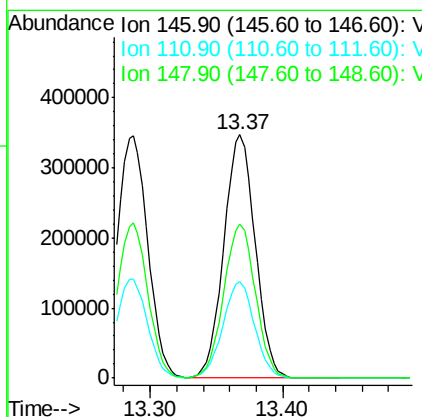
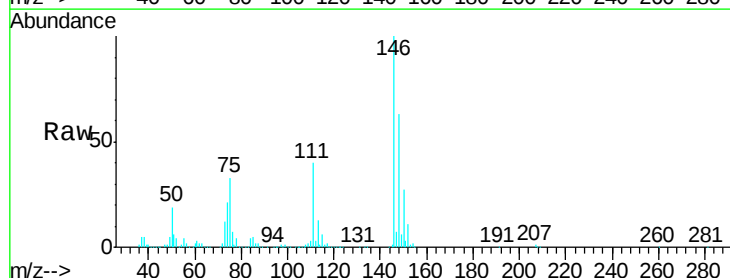
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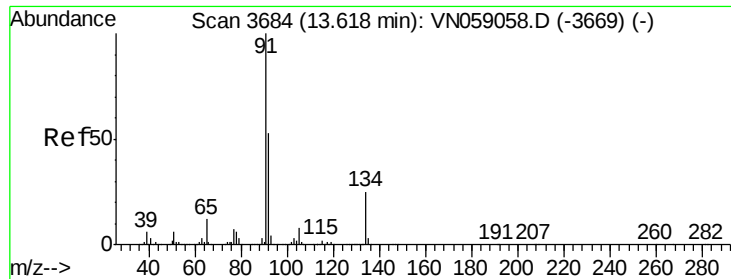
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#88
 1,4-Dichlorobenzene
 Concen: 48.372 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.8	31.9	95.7





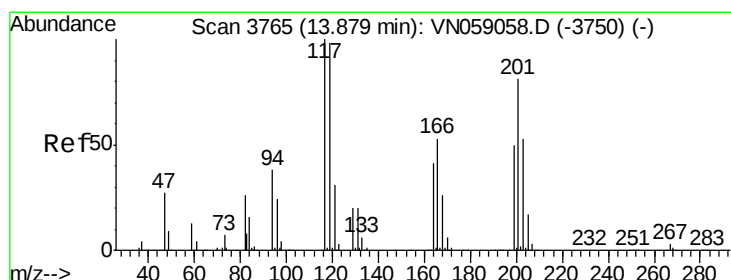
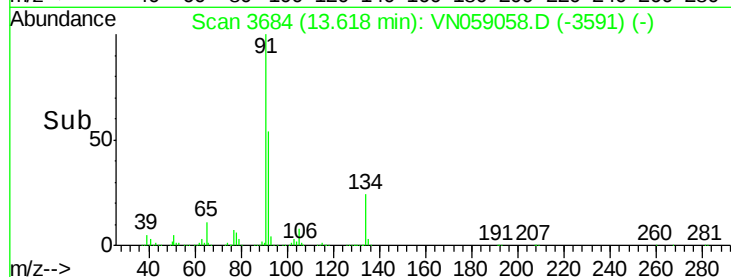
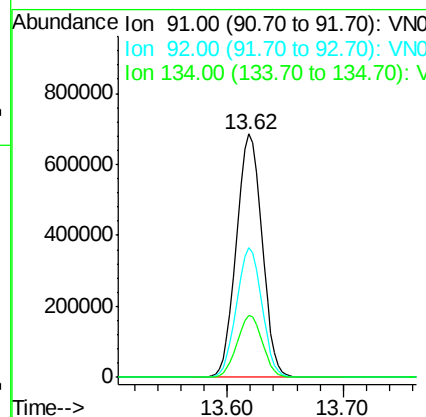
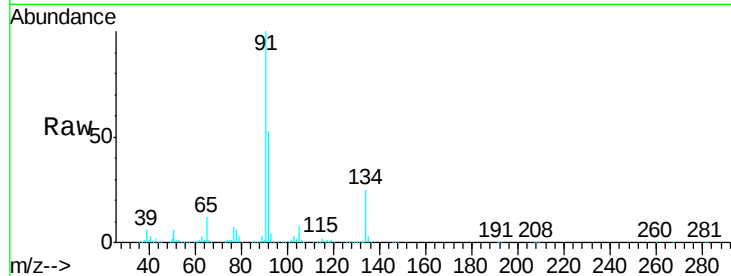
#89
n-Butylbenzene
Concen: 50.896 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 1047203
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.0
134 25.0 12.5 37.5

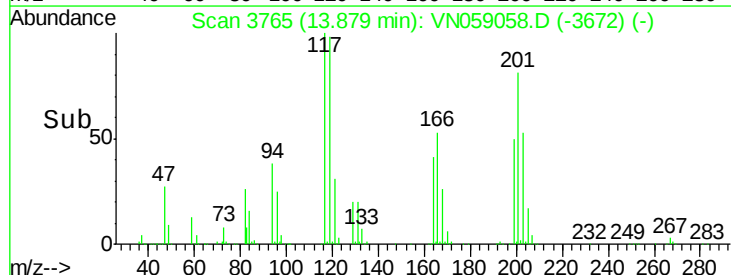
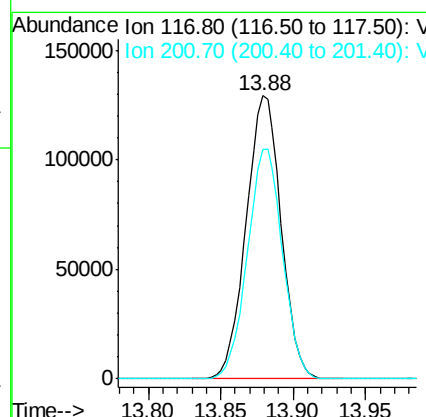
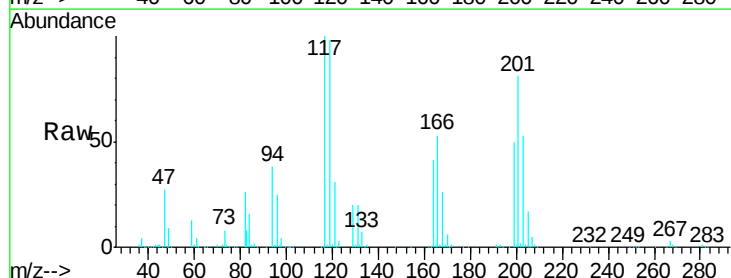
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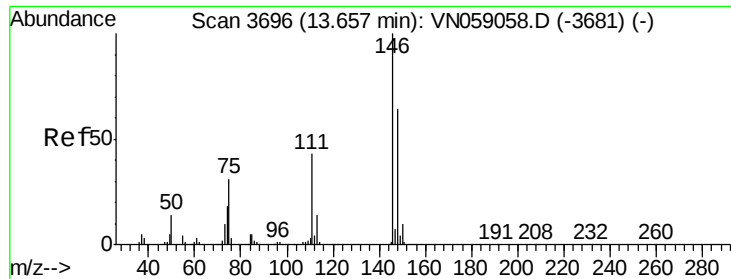
MMDadoda
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#90
Hexachloroethane
Concen: 47.500 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion: 117 Resp: 217259
Ion Ratio Lower Upper
117 100
201 81.4 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 48.532 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Instrument :

MSVOA_N

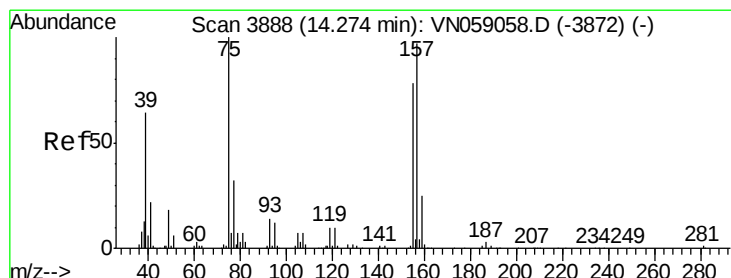
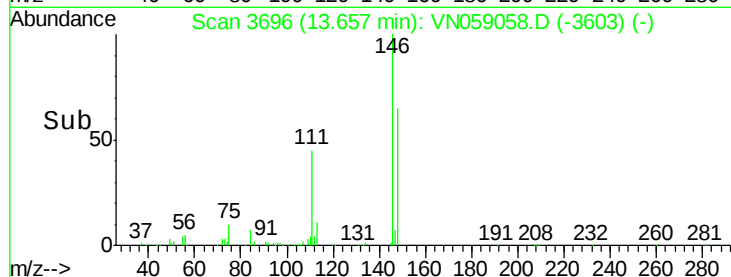
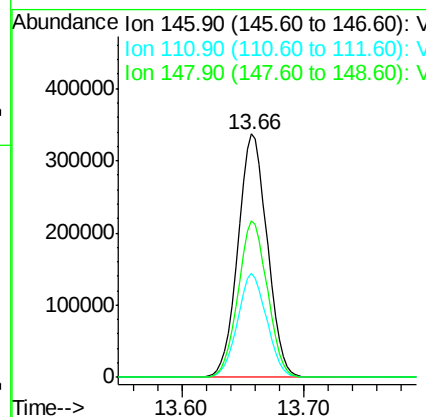
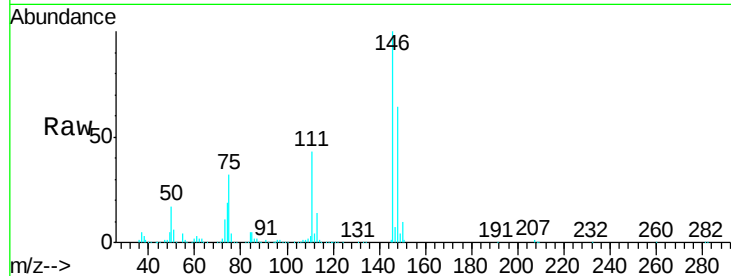
ClientSampleId :

VSTDIC050

Tgt Ion:	146	Resp:	560192
Ion Ratio		Lower	Upper
146	100		
111	42.4	21.2	63.6
148	64.2	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 43.498 ug/l

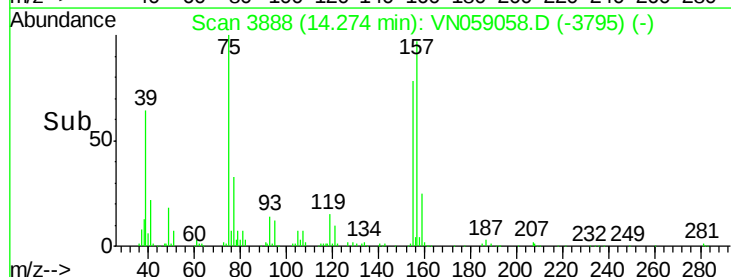
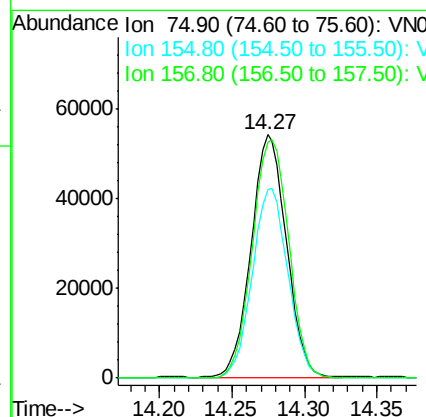
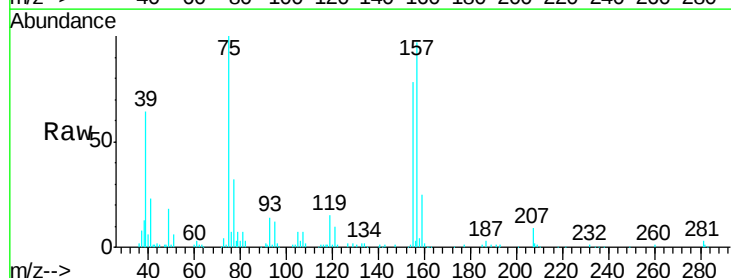
RT: 14.27 min Scan# 3888

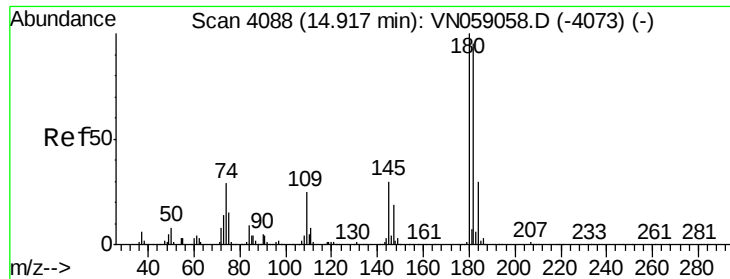
Delta R.T. 0.00 min

Lab File: VN059058.D

Acq: 1 Nov 2019 12:59

Tgt Ion:	75	Resp:	91392
Ion Ratio		Lower	Upper
75	100		
155	79.4	39.7	119.1
157	102.0	51.0	153.0





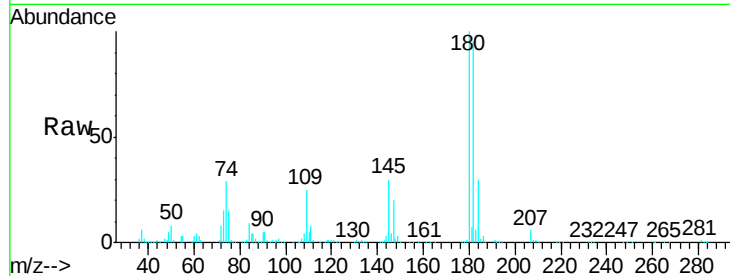
#93
 1,2,4-Trichlorobenzene
 Concen: 51.094 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

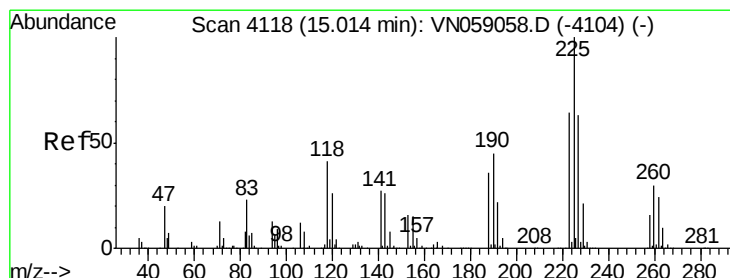
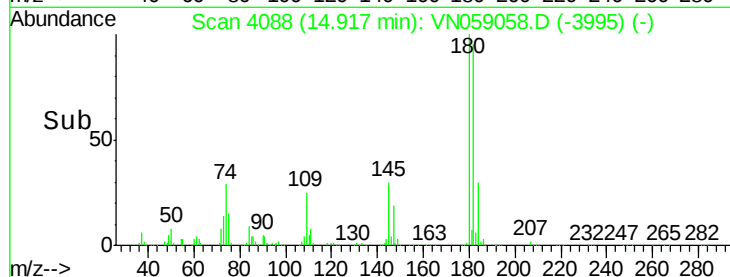
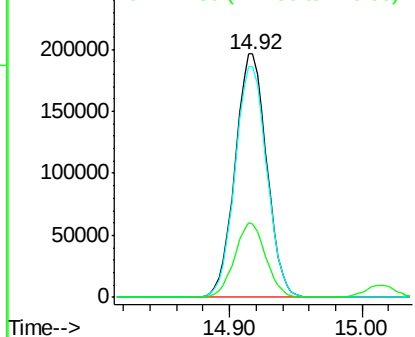
Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.8	143.4
145	30.2	15.1	45.3

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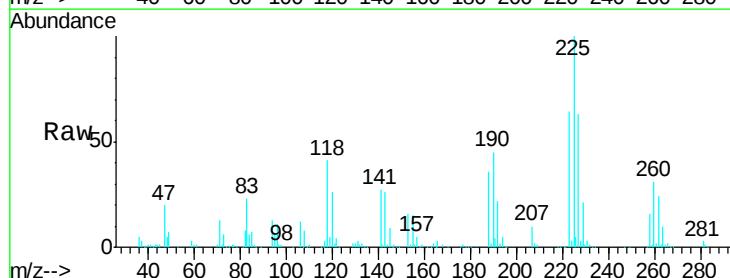


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

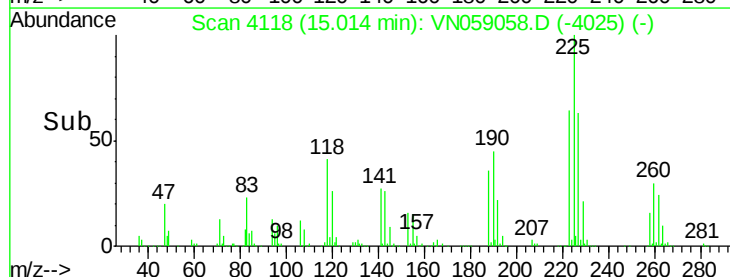
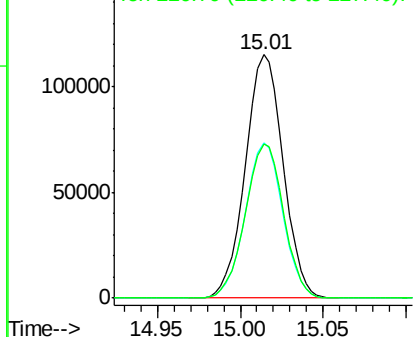


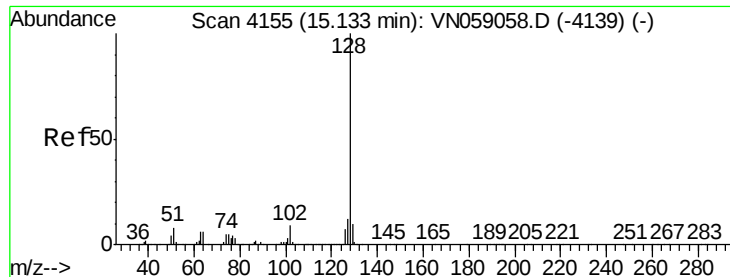
#94
 Hexachlorobutadiene
 Concen: 48.636 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059058.D
 Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.3	31.6	95.0
227	63.8	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





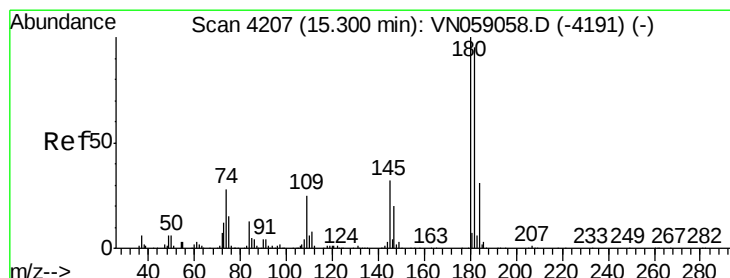
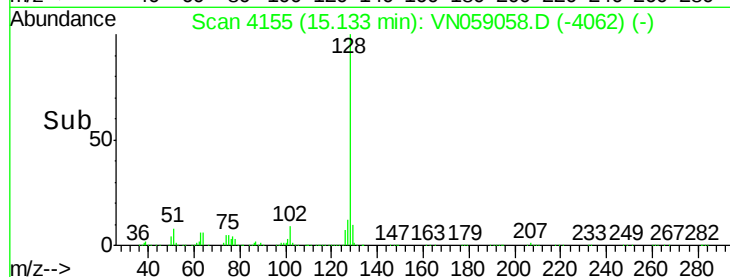
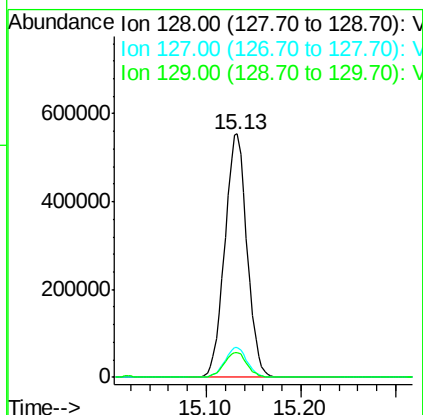
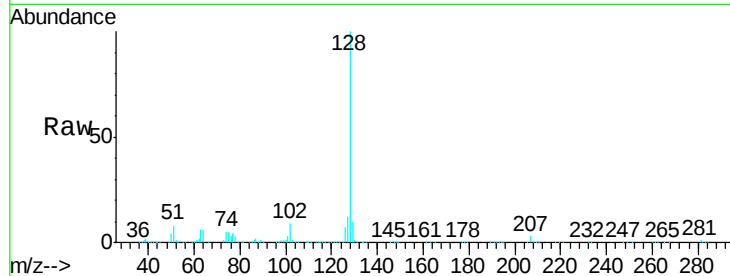
#95
Naphthalene
Concen: 51.525 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.4	9.9	14.9
129	10.5	8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 50.580 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059058.D
Acq: 1 Nov 2019 12:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.4	47.7	143.1
145	32.0	16.0	48.0

